

NIH Patent Licensing Activities
NIAMS
October 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
+L-243-16/0	Rao, Mahendra S	(b)(4); (b)	StemCell Technologies Inc.	24-Oct-16						(b) (3) (A), (b) (4), (b) (6)

Note: L-243-16/0 split between NHLBI; NIAMS

NIH Patent Licensing Activities
NIAMS
November 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
+L-243-16/0	NIAMS		StemCell Technologies Inc.	14-Nov-16						(b) (3) (A), (b) (4), (b) (6)
+L-164-93/0	Kinet, Jean-Pierre	(b)(4); (b)	Harvard University & Hoffmann La Roche	29-Nov-16						

Note: L-164-93/0 split between NIAMS; NIDCR

NIH Patent Licensing Activities
NIAMS
December 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-027-15/0	NIAMS		Mahendra S. Rao	30-Dec-16						(b) (3) (A), (b) (4), (b) (6)
+L-027-15/0	Funahashi, Raymond	(b)(4);	Mahendra S. Rao	30-Dec-16						
+L-027-15/0	Malik, Nasir S.	(b)(6)	Mahendra S. Rao	30-Dec-16						
+L-027-15/0	Rao, Mahendra S		Mahendra S. Rao	30-Dec-16						
+L-027-15/0	Zou, Jizhong		Mahendra S. Rao	30-Dec-16						

NIH Patent Licensing Activities
NIAMS
January 2017

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+L-243-16/0	Rao, Mahendra S	(b)(4); (b)(6)	StemCell Technologies Inc.	25-Jan-17						(b) (3) (A), (b) (4), (b) (6)

Note: L-243-16/0 split between NHLBI; NIAMS

NIH Patent Licensing Activities
NIAMS
February 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
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NIH Patent Licensing Activities
NIAMS
March 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-243-16/0	Rao, Mahendra S	(b)(4): (b)	StemCell Technologies Inc.	3-Mar-17						(b) (3) (A), (b) (4), (b) (6)

Note: L-243-16/0 split between NHLBI; NIAMS

					\$18,710.60	\$11,169.71	\$29,880.31		\$4,409.33	\$25,470.98
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+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIBIB
October 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
+L-019-08/0	Phillips, Terence M	(b)(4); (b)(6)	Institut Pasteur	1-Oct-16						(b) (3) (A), (b) (4), (b) (6)

Note: L-019-08/0 split between FDA; NCI; NIAID; NIBIB; NIDDK

NIH Patent Licensing Activities
NIBIB
November 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
+L-002-14/0	NIBIB		Intelligent Imaging Innovations, Inc.	8-Nov-16						(b) (3) (A), (b) (4), (b) (6)
*+L-045-04/1	Bungay, Peter M	(b)(4); (b)(6)	Trevigen, Inc.	8-Nov-16						

Note: L-002-14/0 split between NHLBI; NIBIB

Note: L-045-04/1 split between NCI; NIBIB

NIH Patent Licensing Activities
NIBIB
December 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-318-01/0	Goldstein, Seth R.	(b)(4);	Arcturus	6-Dec-16						(b) (3) (A), (b) (4), (b) (6)
+L-318-01/0	Smith, Paul D.	(b)(6)	Arcturus	6-Dec-16						
+L-147-12/2	NIBIB		Odin Biotech, LLC	12-Dec-16						
+L-187-14/0	Parekh, Sapun	(b)(4);	Andor Technology PLC	20-Dec-16						(b) (3) (A), (b) (4), (b) (6)
+L-187-14/0	Shroff, Hari	(b)(6)	Andor Technology PLC	20-Dec-16						
+L-187-14/0	York, Andrew G.		Andor Technology PLC	20-Dec-16						

Note: L-318-01/0 split between CIT; NIBIB; NICHD

Note: L-147-12/2 split between CC; NEI; NIBIB

Note: L-187-14/0 split between NHLBI; NIBIB

NIH Patent Licensing Activities
NIBIB
January 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-002-14/0	Parekh, Sapun	(b)(4);	Intelligent Imaging Innovations, Inc.	13-Jan-17						(b) (3) (A), (b) (4), (b) (6)
+L-002-14/0	Shroff, Hari	(b)(6)	Intelligent Imaging Innovations, Inc.	13-Jan-17						

+L-002-14/0 York, Andrew G. (b)(4); (b)(6) Intelligent Imaging Innovations, Inc. 13-Jan-17
 Note: L-002-14/0 split between NHLBI; NIBIB

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
 NIBIB
 February 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-087-07/1	Dedrick, Robert L	(b)(4);	MedGenesis Therapeutix	15-Feb-17						(b) (3) (A), (b) (4), (b) (6)
+L-087-07/1	Morrison, Paul F.	(b)(6)	MedGenesis Therapeutix	15-Feb-17						
<i>Note: L-087-07/1 split between NCI; NIBIB; NINDS</i>										
+L-045-04/1	Bungay, Peter M		Trevigen, Inc.	28-Feb-17						
<i>Note: L-045-04/1 split between NCI; NIBIB</i>										

NIH Patent Licensing Activities
 NIBIB
 March 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-178-97/1	Goldstein, Seth R.	(b)(4);	Arcturus Engineering	7-Mar-17						(b) (3) (A), (b) (4), (b) (6)
+L-178-97/1	Peterson, (b) (6) John I.	(b)(6)	Arcturus Engineering	7-Mar-17						
+L-178-97/1	Smith, Paul D.		Arcturus Engineering	7-Mar-17						
<i>Note: L-178-97/1 split between NCI; NHGRI; NIBIB; NICHD</i>										
+L-256-14/0	Parekh, Sapun	(b)(4);	VisiTech International	14-Mar-17						
+L-256-14/0	Shroff, Hari	(b)(6)	VisiTech International	14-Mar-17						
+L-256-14/0	York, Andrew G.		VisiTech International	14-Mar-17						
<i>Note: L-256-14/0 split between NHLBI; NIBIB</i>										

\$36,214.88	\$2,169.17	\$38,384.05	\$12,525.78	\$25,858.27
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* denotes an adjustment to fix a problem from a previous month
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NIH Patent Licensing Activities
 NICHD
 October 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-280-14/1	NICHD		Arche Opitex Biomedical, Inc.	14-Oct-16						(b) (3) (A), (b) (4)

Note: L-280-14/1 split between NICHD; NINDS

NIH Patent Licensing Activities
 NICHD
 November 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
L-354-98/9	NICHD		Repros Therapeutics, Inc.	8-Nov-16						(b) (3) (A), (b) (4), (b) (6)
*+L-026-13/1	Blithe, Diana L.	(b)(4);	Preglem SA	21-Nov-16						
*+L-026-13/1	Nieman, Lynnette K.	(b)(6)	Preglem SA	21-Nov-16						

NIH Patent Licensing Activities
 NICHD
 December 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-318-01/0	Bonner, Robert F	(b)(4); (b)	Arcturus	6-Dec-16						(b) (3) (A), (b) (4), (b) (6)

Note: L-318-01/0 split between CIT; NIBIB; NICHD

+L-136-13/0	NICHD		Biologics Resources	6-Dec-16						
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Note: L-136-13/0 split between NIAID; NICHD; NIDCR

+L-215-14/0	Bridson, William E.	(b)(4);	Quest Diagnostics, Inc.	16-Dec-16						
+L-215-14/0	Hertz, Roy	(b)(6)	Quest Diagnostics, Inc.	16-Dec-16						
+L-215-14/0	Kingfield, Joyce G.		Quest Diagnostics, Inc.	16-Dec-16						
+L-215-14/0	Kohler, Peter O		Quest Diagnostics, Inc.	16-Dec-16						

+L-136-13/0	NICHD		Biologics Resources	19-Dec-16						
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Note: L-136-13/0 split between NIAID; NICHD; NIDCR

+L-076-08/0	Robbins, John B.	(b)(4);	Emergent Product Development Gaithersbur	27-Dec-16						
+L-076-08/0	Schneerson, Rachel	(b)(6)	Emergent Product Development Gaithersbur	27-Dec-16						

Note: L-076-08/0 split between NICHD; NIDCR; NIDDK

NIH Patent Licensing Activities
 NICHD
 January 2017

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+L-064-09/0	Ozato Dawid, Keiko	(b)(4); (b)(6)	eBioscience	4-Jan-17
+L-271-02/1	Samelson, Lawrence	(b)(6)	Biosource International	19-Jan-17
+L-271-02/1	Zhang, Weiguo		Biosource International	19-Jan-17
+L-002-09/1	Dressler, Gregory R.	(b)(6)	Invitrogen Inc	30-Jan-17

(b) (3) (A), (b) (4), (b) (6)

**NIH Patent Licensing Activities
NICHD
February 2017**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-135-13/0	Kubler-Kielb, Joanna	(b)(4);	Biologics	9-Feb-17						(b) (3) (A), (b) (4), (b) (6)
+L-135-13/0	Liu, Darrell T	(b)(6)	Biologics	9-Feb-17						
+L-135-13/0	Majadly, Fathy D	(b)(6)	Biologics	9-Feb-17						
+L-135-13/0	Robbins, John B.	(b)(6)	Biologics	9-Feb-17						
+L-135-13/0	Schneerson, Rachel	(b)(6)	Biologics	9-Feb-17						
<i>Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK</i>										
+L-138-93/2	Crouch, Robert J.	(b)(4); (b)(6)	Stratagene	10-Feb-17						
+L-243-15/0	Buonanno, Andres	(b)(6)	EMD Millipore Corp.	14-Feb-17						
+L-243-15/0	Karavanov, Alex A. or Irina	(b)(6)	EMD Millipore Corp.	14-Feb-17						
+L-243-15/0	Vullhorst, Detlef	(b)(6)	EMD Millipore Corp.	14-Feb-17						
+L-137-12/0	Ozato Dawid, Keiko	(b)(6)	Pierce Biotechnology	14-Feb-17						
+L-242-94/1	Ozato Dawid, Keiko	(b)(6)	Santa Cruz Biotechnology, Inc.	22-Feb-17						
+L-033-97/1	Dressler, Gregory R.	(b)(6)	Covance Research Products, Inc.	23-Feb-17						
+L-180-14/0	Dey, Anup K	(b)(6)	EMD Millipore Corp.	28-Feb-17						
+L-180-14/0	Ozato Dawid, Keiko	(b)(6)	EMD Millipore Corp.	28-Feb-17						
+L-242-15/0	Buonanno, Andres	(b)(6)	EMD Millipore Corp.	28-Feb-17						
+L-242-15/0	Karavanov, Alex A. or Irina	(b)(6)	EMD Millipore Corp.	28-Feb-17						
+L-242-15/0	Vullhorst, Detlef	(b)(6)	EMD Millipore Corp.	28-Feb-17						
+L-255-02/2	Huang, Freesia	(b)(6)	Upstate USA, Inc.	28-Feb-17						
+L-255-02/2	Huang, Kuo-Ping	(b)(6)	Upstate USA, Inc.	28-Feb-17						
+L-018-99/1	Dawid, Igor	(b)(6)	Chemicon International, Inc.	28-Feb-17						
+L-018-99/1	Karavanov, Alex A. or Irina	(b)(6)	Chemicon International, Inc.	28-Feb-17						
+L-254-02/2	Deligiannidis, Kristina M Galarneau	(b)(6)	Chemicon International Inc	28-Feb-17						
+L-254-02/2	Klein, David C.	(b)(6)	Chemicon International Inc	28-Feb-17						
+L-254-02/2	(b) (4)	(b)(6)	Chemicon International Inc	28-Feb-17						
+L-254-02/2	Weller, Joan	(b)(6)	Chemicon International Inc	28-Feb-17						

**NIH Patent Licensing Activities
NICHD
March 2017**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	License				Inventor Awards March	Net Remaining to IC				
					% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	Cumulative Income						
+L-240-02/2	Deligiannidis, Kristina M Galarneau	(b)(4);	Novus Biologicals Inc	6-Mar-17										
+L-240-02/2	Klein, David C.	(b)(6)	Novus Biologicals Inc	6-Mar-17										
+L-240-02/2	(b) (4)		Novus Biologicals Inc	6-Mar-17										
+L-240-02/2	Weller, Joan		Novus Biologicals Inc	6-Mar-17										
+L-204-02/2	Chumakov, Ekaterina		Novus Biologicals, LLC	6-Mar-17										
+L-204-02/2	McDonald, John		Novus Biologicals, LLC	6-Mar-17										
+L-204-02/2	Woodgate, Roger		Novus Biologicals, LLC	6-Mar-17										
+L-135-13/0	NICHD		Biologics	7-Mar-17										
<i>Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK</i>														
+L-178-97/1	Bonner, Robert F	(b)(4);	Arcturus Engineering	7-Mar-17										
<i>Note: L-178-97/1 split between NCI; NHGRI; NIBIB; NICHD</i>														
+L-002-09/1	Dressler, Gregory R.	(b)(6)	Invitrogen Inc	7-Mar-17										
+L-096-17/0	Chou, Janice Y.		Dimension Therapeutics	17-Mar-17										
+L-118-17/0	Mukherjee, Anil B.		Circumvent Pharm	27-Mar-17										
+L-118-17/0	Sarkar, Chinmoy		Circumvent Pharm	27-Mar-17										
+L-118-17/0	Zhang, Gary Zhongjian		Circumvent Pharm	27-Mar-17										
+L-026-13/1	Blithe, Diana L.		Preglem SA	30-Mar-17										
+L-026-13/1	Nieman, Lynnette K.		Preglem SA	30-Mar-17										
+L-116-17/0	Chou, Janice Y.		Dimension Therapeutics	30-Mar-17										
					\$510,472.79	\$71,702.95	\$582,175.74	\$133,476.00	\$448,699.74					

* denotes an adjustment to fix a problem from a previous month

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NIH Patent Licensing Activities
NIDA
October 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
+L-255-16/0	Conejero-Goldberg, Concha	(b)(4);	Applied Biological Materials Inc.	1-Oct-16						(b) (3) (A), (b) (4), (b) (6)
+L-255-16/0	Dillion-Carter, Ora	(b)(6)	Applied Biological Materials Inc.	1-Oct-16						
+L-255-16/0	Freed, William		Applied Biological Materials Inc.	1-Oct-16						
+L-255-16/0	Giordano, Magda		Applied Biological Materials Inc.	1-Oct-16						
+L-255-16/0	Truckenmiller, Mary Ellen		Applied Biological Materials Inc.	1-Oct-16						

NIH Patent Licensing Activities
NIDA
November 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
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NIH Patent Licensing Activities
NIDA
December 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
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NIH Patent Licensing Activities
NIDA
January 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-070-03/2	Wise, Roy A	(b)(4);	Brainsway, Inc.	4-Jan-17						(b) (3) (A), (b) (4), (b) (6)
+L-070-03/2	Zangen, Abraham	(b)(6)	Brainsway, Inc.	4-Jan-17						

Note: L-070-03/2 split between NIDA; NINDS

NIH Patent Licensing Activities
NIDA
February 2017

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NIH Patent Licensing Activities
NIDA
March 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
										(b) (3) (A), (b) (4)

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIDCD
October 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
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NIH Patent Licensing Activities
NIDCD
November 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
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NIH Patent Licensing Activities
NIDCD
December 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
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NIH Patent Licensing Activities
NIDCD
January 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
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NIH Patent Licensing Activities
NIDCD
February 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-179-14/0	Montcouquiol, Mireille	(b)(4); (b)(6)	EMD Millipore Corp.	28-Feb-17						(b) (3) (A), (b) (4), (b) (6)
+L-214-92/8	RJ Wenthold, (b)(6)		EMD Chemicals	28-Feb-17						

NIH Patent Licensing Activities
NIDCD
March 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
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+ denotes a manual adjustment which has already been paid to the inventor

(b) (3) (A), (b) (4), (b) (6)									
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NIH Patent Licensing Activities
NIDCR
October 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC	
+L-113-00/0	Adler, Jon Elliot	(b)(4);	University of California	1-Oct-16						(b) (3) (A), (b) (4), (b) (6)	
+L-113-00/0	Hoon, Mark	(b)(6)	University of California	1-Oct-16							
+L-113-00/0	Ryba, Nicholas		University of California	1-Oct-16							
+L-008-10/0	Erlenbach, Isolde		Regents Univ California	1-Oct-16							
+L-008-10/0	Hoon, Mark		Regents Univ California	1-Oct-16							
+L-008-10/0	Ryba, Nicholas		Regents Univ California	1-Oct-16							
+L-116-11/2	Chiorini, John A.		uniQure B.V.	1-Oct-16							
<i>Note: L-116-11/2 split between NHLBI; NIDCR</i>											
+L-116-11/2	NIDCR		uniQure B.V.	1-Oct-16							
<i>Note: L-116-11/2 split between NHLBI; NIDCR</i>											
+L-016-17/0	Burbelo, Peter D.		Drugs & Diagnostics for Tropical Disease	18-Oct-16							
<i>Note: L-016-17/0 split between NIAID; NIDCR</i>											
+L-016-17/0	NIDCR		Drugs & Diagnostics for Tropical Disease	18-Oct-16							
<i>Note: L-016-17/0 split between NIAID; NIDCR</i>											

NIH Patent Licensing Activities
NIDCR
November 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
*+L-248-15/0	Burbelo, Peter D.	(b)(4);	InBios International, Inc.	21-Nov-16						(b) (3) (A), (b) (4), (b) (6)
*+L-248-15/0	Iadarola, Michael J.	(b)(6)	InBios International, Inc.	21-Nov-16						
<i>Note: L-248-15/0 split between NIAID; NIDCR</i>										
+L-164-93/0	Siraganian, Reuben		Harvard University & Hoffmann La Roche	29-Nov-16						
<i>Note: L-164-93/0 split between NIAID; NIDCR</i>										

NIH Patent Licensing Activities
NIDCR
December 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-136-13/0	NIDCR		Biologics Resources	6-Dec-16						(b) (3) (A), (b) (4)
<i>Note: L-136-13/0 split between NIAID; NICHID; NIDCR</i>										
+L-136-13/0	NIDCR		Biologics Resources	19-Dec-16						
<i>Note: L-136-13/0 split between NIAID; NICHID; NIDCR</i>										

+L-091-16/2	Afione-Wainer, Sandra	(b)(4);	Sangamo Biosciences	20-Dec-16
+L-091-16/2	Chiorini, John A.	(b)(6)	Sangamo Biosciences	20-Dec-16
+L-048-03/1	Elkin, Michael		Lees Pharmaceutical (HK) LTD	21-Dec-16
+L-048-03/1	Kleinman, Hynda		Lees Pharmaceutical (HK) LTD	21-Dec-16
+L-048-03/1	Philp, Deborah		Lees Pharmaceutical (HK) LTD	21-Dec-16
+L-102-09/0	Siraganian, Reuben		Morphosys UK Ltd.	23-Dec-16
+L-142-12/1	Kleinman, Hynda		Odin Biotech, LLC	23-Dec-16
<i>Note: L-142-12/1 split between NEI; NIDCR</i>				
+L-076-08/0	Hsu, Su-Cheng Dana		Emergent Product Development Gaithersbur	27-Dec-16
+L-076-08/0	Leppla, Stephen H.		Emergent Product Development Gaithersbur	27-Dec-16
+L-076-08/0	Rosovitz, Mary Jo		Emergent Product Development Gaithersbur	27-Dec-16
<i>Note: L-076-08/0 split between NICHD; NIDCR; NIDDK</i>				
+L-268-99/1	Kleinman, Hynda	(b)(4);	RegeneRX Biopharma	28-Dec-16
+L-268-99/1	Malinda, Katherine M	(b)(6)	RegeneRX Biopharma	28-Dec-16

(b) (3) (A), (b) (4), (b) (6)

**NIH Patent Licensing Activities
NIDCR
January 2017**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-116-11/3	Chiorini, John A.	(b)(4);	uniQure B.V.	5-Jan-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-116-11/3 split between NHLBI; NIDCR</i>										
+L-088-12/0	Chiorini, John A.	(b)(6)	Sangamo BioSciences Inc	5-Jan-17						
<i>Note: L-088-12/0 split between NHLBI; NIDCR</i>										
+L-072-10/0	Gronthos, Stan		Mesoblast Inc.	9-Jan-17						
+L-072-10/0	Miura, Masako		Mesoblast Inc.	9-Jan-17						
+L-072-10/0	Robey, Pamela G.		Mesoblast Inc.	9-Jan-17						
+L-072-10/0	Seo, Byoung-Moo		Mesoblast Inc.	9-Jan-17						
+L-072-10/0	Shi, Songtao		Mesoblast Inc.	9-Jan-17						
+L-171-08/0	Siraganian, Reuben		BD BIOSCIENCES	10-Jan-17						
+L-142-12/1	NIDCR		Odin Biotech, LLC	18-Jan-17						
<i>Note: L-142-12/1 split between NEI; NIDCR</i>										
+L-102-17/0	Keith, Jerry M	(b)(4);	Inventprise LLC	19-Jan-17						
+L-102-17/0	Merkel, Todd J.	(b)(6)	Inventprise LLC	19-Jan-17						
+L-102-17/0	Yang, Xiaoming		Inventprise LLC	19-Jan-17						
+L-152-02/3	Leppla, Stephen H.		Emergent BioDefense	20-Jan-17						
+L-152-02/3	Park, Sukjoon		Emergent BioDefense	20-Jan-17						
+L-152-02/3	Quinn, Conrad P.		Emergent BioDefense	20-Jan-17						
+L-152-02/3	Singh, Yogendra		Emergent BioDefense	20-Jan-17						
<i>Note: L-152-02/3 split between NIAID; NIDCR</i>										

+L-102-09/0 Siraganian, Reuben (b)(4); (b)(6) Morphosys UK Ltd. 26-Jan-17

NIH Patent Licensing Activities
NIDCR
February 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC	
+L-343-01/0	Keith, Jerry M	(b)(4);	List Biological Laboratories, Inc.	7-Feb-17						(b) (3) (A), (b) (4), (b) (6)	
+L-343-01/0	Merkel, Todd J.	(b)(6)	List Biological Laboratories, Inc.	7-Feb-17							
+L-343-01/0	Yang, Xiaoming		List Biological Laboratories, Inc.	7-Feb-17							
+L-115-00/2	Leppla, Stephen H.		List Biological Laboratories, Inc.	7-Feb-17							
<i>Note: L-115-00/2 split between NIAID; NIDCR</i>											
+L-135-13/0	Hsu, Su-Cheng Dana		Biologics	9-Feb-17							
+L-135-13/0	Leppla, Stephen H.		Biologics	9-Feb-17							
+L-135-13/0	Rosovitz, Mary Jo		Biologics	9-Feb-17							
<i>Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK</i>											
+L-181-14/0	Burbelo, Peter D.	(b)(4);	InBios International Inc	20-Feb-17							
<i>Note: L-181-14/0 split between NIAID; NIDCR</i>											
+L-248-15/0	Burbelo, Peter D.	(b)(6)	InBios International, Inc.	20-Feb-17							
+L-248-15/0	Iadarola, Michael J.		InBios International, Inc.	20-Feb-17							
<i>Note: L-248-15/0 split between NIAID; NIDCR</i>											
+L-233-14/0	Fisher, Larry		EMD Millipore Corporation	28-Feb-17							
+L-111-17/0	Akiyama, Steven		BD Biosciences	28-Feb-17							
+L-111-17/0	Yamada, Kenneth		BD Biosciences	28-Feb-17							

NIH Patent Licensing Activities
NIDCR
March 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC	
+L-024-17/0	Fisher, Larry	(b)(4);	KeraFAST	1-Mar-17						(b) (3) (A), (b) (4), (b) (6)	
		(b)(6)									
+L-181-14/0	Burbelo, Peter D.		InBios International Inc	1-Mar-17							
<i>Note: L-181-14/0 split between NIAID; NIDCR</i>											
+L-343-01/0	Keith, Jerry M		List Biological Laboratories, Inc.	6-Mar-17							
+L-343-01/0	Merkel, Todd J.		List Biological Laboratories, Inc.	6-Mar-17							
+L-343-01/0	Yang, Xiaoming		List Biological Laboratories, Inc.	6-Mar-17							
+L-135-13/0	NIDCR		Biologics	7-Mar-17							
<i>Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK</i>											

+L-085-07/1 Chiorini, John A.
Note: L-085-07/1 split between NHLBI; NIDCR

(b)(4); UCB Pharma SA
 (b)(6)

10-Mar-17

(b) (3) (A), (b) (4), (b) (6)

+L-078-15/0 Chiorini, John A.
 +L-078-15/0 Kaludov, Nikola

Spark Therapeutics, Inc.
 Spark Therapeutics, Inc.

21-Mar-17
 21-Mar-17

+L-152-17/0 Akiyama, Steven
 +L-152-17/0 Yamada, Kenneth
 +L-152-17/0 Yamada, Susan Sleeper

EMD Millipore Corporation
 EMD Millipore Corporation
 EMD Millipore Corporation

24-Mar-17
 24-Mar-17
 24-Mar-17

\$184,130.18 \$2,412.00 \$186,542.18 \$55,631.67 \$130,910.51

* denotes an adjustment to fix a problem from a previous month
 + denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIDDK
October 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
+L-019-08/0	Kopp, Jeffrey B	(b)(4); (b)(6)	Institut Pasteur	1-Oct-16						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-019-08/0 split between FDA; NCI; NIAID; NIBIB; NIDDK</i>										
+L-224-97/1	Gallo-Rodriguez, Carola	(b)(4);	Tocris Cookson, Limited	1-Oct-16						
+L-224-97/1	Jacobson, Kenneth A	(b)(6)	Tocris Cookson, Limited	1-Oct-16						
+L-224-97/1	Jeong, Heaok Kim		Tocris Cookson, Limited	1-Oct-16						
+L-224-97/1	Secrist III, John A.		Tocris Cookson, Limited	1-Oct-16						
+L-224-97/1	Siddiqi, Suhaib M		Tocris Cookson, Limited	1-Oct-16						
+L-224-97/1	Tiwari, Kamal N.		Tocris Cookson, Limited	1-Oct-16						
+L-224-97/1	van Galen, Philip J. M.		Tocris Cookson, Limited	1-Oct-16						
+L-224-97/1	Von Lubitz, Dag		Tocris Cookson, Limited	1-Oct-16						
+L-208-15/0	NIDDK		Virotas Biopharmaceuticals, LLC	4-Oct-16						
<i>Note: L-208-15/0 split between NCATS; NIDDK</i>										
+L-082-13/1	NIDDK		Cornovus Pharmaceuticals	28-Oct-16						
<i>Note: L-082-13/1 split between NCI; NIDDK</i>										
+L-082-13/1	NIDDK		Cornovus Pharmaceuticals	28-Oct-16						
<i>Note: L-082-13/1 split between NCI; NIDDK</i>										

NIH Patent Licensing Activities
NIDDK
November 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
*+L-159-07/2	Schechter, Alan N.	(b)(4); (b)(6)	Hope Pharmaceuticals	10-Nov-16						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-159-07/2 split between CC; NHLBI; NIDDK; NINDS</i>										
*+L-143-07/2	Schechter, Alan N.	(b)(4); (b)(6)	ope Pharmaceuticals	10-Nov-16						
<i>Note: L-143-07/2 split between CC; NHLBI; NIDDK</i>										

NIH Patent Licensing Activities
NIDDK
December 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-080-17/0	Chung, Jay	(b)(4);	Senti Biosciences, Inc.	1-Dec-16						(b) (3) (A), (b) (4), (b) (6)
+L-080-17/0	Felsenfeld, Gary	(b)(6)	Senti Biosciences, Inc.	1-Dec-16						
+L-159-07/2	NIDDK		Hope Pharmaceuticals	2-Dec-16						
<i>Note: L-159-07/2 split between CC; NHLBI; NIDDK; NINDS</i>										

+L-251-99/0	Lewis, Edgar Neil	(b)(4); (b)(6)	HyperMed, Inc.	13-Dec-16
+L-176-08/3	NIDDK		Aires	16-Dec-16
<i>Note: L-176-08/3 split between CC; NHLBI; NIDDK; NINDS</i>				
+L-088-03/5	NIDDK		International Medica Foundation	27-Dec-16
<i>Note: L-088-03/5 split between NIAID; NIDDK</i>				
+L-173-15/1	Ge, Kai	(b)(4);	EMD Millipore Corporation	27-Dec-16
+L-173-15/1	Lee, Ji-Eun	(b)(6)	EMD Millipore Corporation	27-Dec-16
+L-192-16/0	Dean, Jurrien		EMD Milliore Corp	27-Dec-16
+L-192-16/0	East, Iain		EMD Milliore Corp	27-Dec-16
+L-076-08/0	Ramirez, Delia		Emergent Product Development Gaithersbur	27-Dec-16
+L-076-08/0	Shiloach, Joseph		Emergent Product Development Gaithersbur	27-Dec-16
<i>Note: L-076-08/0 split between NICHD; NIDCR; NIDDK</i>				
+L-129-15/1	Proia, Richard L	(b)(4); (b)(6)	Genzyme Corporation	29-Dec-16

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NIDDK
January 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License	Inventor Awards January	Net Remaining to IC
								Cumulative Income		
+L-132-12/0	Chandramohan, Dhruva	(b)(4);	Metalogics Corp	3-Jan-17						(b) (3) (A), (b) (4), (b) (6)
+L-132-12/0	Chou, Carson C.	(b)(6)	Metalogics Corp	3-Jan-17						
+L-132-12/0	Hall, Kevin		Metalogics Corp	3-Jan-17						
+L-334-14/0	Schnermann, Jurgen B.		Amgen, Inc.	4-Jan-17						
+L-082-13/1	Jacobson, Kenneth A		Cornovus Pharmaceuticals	10-Jan-17						
<i>Note: L-082-13/1 split between NCI; NIDDK</i>										
+L-155-07/1	Daly, (b) (6) John W		Latoxan S.A S.	13-Jan-17						
+L-236-98/0	Jacobson, Kenneth A		Tocris Cookson, Limited	19-Jan-17						
+L-236-98/0	Jiang, Ji-Long		Tocris Cookson, Limited	19-Jan-17						
+L-236-98/0	Karton, Yishai		Tocris Cookson, Limited	19-Jan-17						
+L-236-98/0	Kim, Yong-Chul		Tocris Cookson, Limited	19-Jan-17						
+L-236-98/0	Van Rhee, Albert M		Tocris Cookson, Limited	19-Jan-17						
+L-075-17/0	Jacobson, Kenneth A		BiolIntervene Inc.	25-Jan-17						
+L-075-17/0	(b) (4)		BiolIntervene Inc.	25-Jan-17						
+L-075-17/0	Melman, Artem		BiolIntervene Inc.	25-Jan-17						
+L-075-17/0	Tosh, Dilip K.		BiolIntervene Inc.	25-Jan-17						

NIH Patent Licensing Activities
NIDDK
February 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-028-15/0	Jeon, Jongrye	(b)(4);	Merck, Sharp & Dohme	2-Feb-17						(b) (3) (A), (b) (4), (b) (6)
+L-028-15/0	Wess, Jurgen	(b)(6)	Merck, Sharp & Dohme	2-Feb-17						
+L-135-13/0	Shiloach, Joseph		Biologics	9-Feb-17						
<i>Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK</i>										
+L-173-15/1	Ge, Kai	(b)(4);	EMD Millipore Corporation	14-Feb-17						
+L-173-15/1	Lee, Ji-Eun	(b)(6)	EMD Millipore Corporation	14-Feb-17						
+L-172-08/1	Afione-Wainer, Sandra		Johns Hopkins University	15-Feb-17						
+L-172-08/1	Carter, Barrie J.		Johns Hopkins University	15-Feb-17						
+L-172-08/1	Flotte, Terence R		Johns Hopkins University	15-Feb-17						
+L-172-08/1	Solow, Renee		Johns Hopkins University	15-Feb-17						
+L-125-96/3	Sauer, Brian		Covance Research Products, Inc.	23-Feb-17						
+L-242-13/0	Proia, Richard L		EMD Millipore Corp.	28-Feb-17						
+L-001-14/0	Proia, Richard L		EMD Millipore Corp.	28-Feb-17						
+L-214-14/0	Simonds, William F.		EMD Millipore Corp	28-Feb-17						
+L-214-14/0	Zhang, Jianhua		EMD Millipore Corp	28-Feb-17						
+L-173-15/1	Ge, Kai		EMD Millipore Corporation	28-Feb-17						
+L-173-15/1	Lee, Ji-Eun		EMD Millipore Corporation	28-Feb-17						

NIH Patent Licensing Activities
NIDDK
March 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-135-13/0	NIDDK		Biologics	7-Mar-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK</i>										
+L-047-03/0	Goldsmith, Paul K	(b)(4);	Affinity Bioreagents Inc	8-Mar-17						
+L-047-03/0	Spiegel, Allen M.	(b)(6)	Affinity Bioreagents Inc	8-Mar-17						
+L-236-98/0	Jacobson, Kenneth A		Tocris Cookson, Limited	17-Mar-17						
+L-236-98/0	Jiang, Ji-Long		Tocris Cookson, Limited	17-Mar-17						
+L-236-98/0	Karton, Yishai		Tocris Cookson, Limited	17-Mar-17						
+L-236-98/0	Kim, Yong-Chul		Tocris Cookson, Limited	17-Mar-17						
+L-236-98/0	Van Rhee, Albert M		Tocris Cookson, Limited	17-Mar-17						
+L-265-02/0	Jacobson, Kenneth A		Tocris Cookson, Ltd.	17-Mar-17						
<i>Note: L-265-02/0 split between NCI; NIDDK</i>										
+L-155-07/1	Daly, (b) (6) John W		Latoxan S.A S.	30-Mar-17						

+L-155-07/1 Daly, (b) (6) John W (b)(4); (b) Latoxan S.A S.

31-Mar-17

(b) (3) (A), (b) (4), (b) (6)

\$139,986.66	\$34,739.63	\$174,726.29	\$48,095.84	\$126,630.45
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* denotes an adjustment to fix a problem from a previous month

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIEHS
October 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
+L-063-93/1	Eddy, Edward	(b)(4); (b)(6)	Affinity BioReagents	1-Oct-16						(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NIEHS
November 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
+L-056-04/1	Detweiler, Charles D.	(b)(4); (b)(6)	Alexis Corporation	29-Nov-16						(b) (3) (A), (b) (4), (b) (6)
+L-056-04/1	Mason, Ronald P.	(6)	Alexis Corporation	29-Nov-16						

NIH Patent Licensing Activities
NIEHS
December 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-134-13/0	Mishina, Yuji	(b)(4);	Clementia Pharmaceuticals Inc	20-Dec-16						(b) (3) (A), (b) (4), (b) (6)
+L-134-13/0	Ray, Manas K.	(b)(6)	Clementia Pharmaceuticals Inc	20-Dec-16						
+L-134-13/0	Scott, Gregory J.		Clementia Pharmaceuticals Inc	20-Dec-16						

NIH Patent Licensing Activities
NIEHS
January 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-047-08/1	Block, Michelle L	(b)(4);	TSH Biopharm Corp.	17-Jan-17						(b) (3) (A), (b) (4), (b) (6)
+L-047-08/1	Chen, Po-See	(b)(6)	TSH Biopharm Corp.	17-Jan-17						
+L-047-08/1	Hong, Jau-Shyong		TSH Biopharm Corp.	17-Jan-17						
+L-047-08/1	Li, Guorong		TSH Biopharm Corp.	17-Jan-17						
+L-047-08/1	Peng, Giia-Sheun		TSH Biopharm Corp.	17-Jan-17						
+L-047-08/1	Qin, Liya		TSH Biopharm Corp.	17-Jan-17						
+L-047-08/1	Zhang, Wei		TSH Biopharm Corp.	17-Jan-17						
+L-033-98/1	Prasad, Rajendra		NeoMarkers, Inc.	27-Jan-17						
+L-033-98/1	Wilson, Samuel H.		NeoMarkers, Inc.	27-Jan-17						
+L-301-14/0	Mishina, Yuji		Blueprint Medicines	30-Jan-17						
+L-301-14/0	Ray, Manas K.		Blueprint Medicines	30-Jan-17						

+L-301-14/0	Scott, Gregory J.	(b)(4); (b)(6)	Blueprint Medicines	30-Jan-17	(b) (3) (A), (b) (4), (b) (6)
+L-119-10/0	Ehrenshaft, Marilyn I		StressMarq Biosci.	30-Jan-17	
+L-119-10/0	Mason, Ronald P.		StressMarq Biosci.	30-Jan-17	
+L-119-10/0	Summers, Fiona A.		StressMarq Biosci.	30-Jan-17	

**NIH Patent Licensing Activities
NIEHS
February 2017**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann.	Patent	Total February	License	Inventor Awards	Net Remaining to
					Min./Exec. Fee	Prosecution Costs	Income	Cumulative Income	February	IC
+L-144-04/2	Ehrenshaft, Marilyn I	(b)(4); (b)(6)	Cayman Chemical Company	6-Feb-17						(b) (3) (A), (b) (4), (b) (6)
+L-144-04/2	Mason, Ronald P.	(6)	Cayman Chemical Company	6-Feb-17						
+L-080-94/3	(b) (4)		Oxford Biomedical Research, Inc.	7-Feb-17						
+L-080-94/3	Wetsel, William		Oxford Biomedical Research, Inc.	7-Feb-17						
+L-036-15/0	Copeland, William		Alnylam Pharmaceuticals, INC.	22-Feb-17						
+L-036-15/0	Kasiviswanathan, Rajesh		Alnylam Pharmaceuticals, INC.	22-Feb-17						
+L-036-15/0	Lim, Susan E.		Alnylam Pharmaceuticals, INC.	22-Feb-17						
+L-021-15/0	Bradbury, Jennifer Alyce		EMD Millipore Corp.	28-Feb-17						
+L-021-15/0	Graves, Joan P.		EMD Millipore Corp.	28-Feb-17						
+L-021-15/0	Zeldin, Darryl C		EMD Millipore Corp.	28-Feb-17						
+L-010-05/4	DiAugustine, Richard P		Millipore Corporation	28-Feb-17						
+L-010-05/4	Teng, Christina T.		Millipore Corporation	28-Feb-17						
+L-090-12/0	Blackshear, Perry J		Millipore Corp	28-Feb-17						
+L-090-12/0	Kennington, Elizabeth A.		Millipore Corp	28-Feb-17						

**NIH Patent Licensing Activities
NIEHS
March 2017**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann.	Patent	Total March	License	Inventor Awards	Net Remaining to
					Min./Exec. Fee	Prosecution Costs	Income	Cumulative Income	March	IC
+L-131-96/1	Cidlowski, John A.	(b)(4); (b)(6)	Affinity Bioreagents	8-Mar-17						(b) (3) (A), (b) (4), (b) (6)
+L-131-96/1	Oakley, Robert	(6)	Affinity Bioreagents	8-Mar-17						
+L-275-97/1	Cidlowski, John A.		Affinity BioReagents	8-Mar-17						
+L-275-97/1	Oakley, Robert		Affinity BioReagents	8-Mar-17						
+L-042-01/2	Beckley, Amy J.		Pierce Biotechnology	8-Mar-17						
+L-042-01/2	Cidlowski, John A.		Pierce Biotechnology	8-Mar-17						
+L-075-10/0	Copeland, William		Idenix Inc	20-Mar-17						
+L-075-10/0	Lim, Susan E.		Idenix Inc	20-Mar-17						

+L-244-16/0 (b) (4)
+L-244-16/0 Moore, Rickie
+L-244-16/0 Negishi, Masahiko

(b)(4); Sumitomo Pharmaceuticals
(b)(6) Sumitomo Pharmaceuticals
Sumitomo Pharmaceuticals

31-Mar-17
31-Mar-17
31-Mar-17

(b) (3) (A), (b) (4), (b) (6)

\$91 547.72 \$0.00 \$91 547.72 \$43 013.26 \$48 534.46

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIMH
October 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC

Note: L-025-17/0 split between NCATS; NIA; NIMH

NIH Patent Licensing Activities
NIMH
November 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC

NIH Patent Licensing Activities
NIMH
December 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC

Note: L-302-14/0 split between NIMH; NINDS

NIH Patent Licensing Activities
NIMH
January 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-313-14/0	Ma, Shenglin	(b)(6)	Angimmune LLC	4-Jan-17						
+L-313-14/0	Neville, David		Angimmune LLC	4-Jan-17						
+L-313-14/0	Scharff, Joshua		Angimmune LLC	4-Jan-17						
+L-313-14/0	Thompson, Jerry		Angimmune LLC	4-Jan-17						
+L-313-14/0	(b) (4)		Angimmune LLC	4-Jan-17						
+L-313-14/0	(b) (4)		Angimmune LLC	4-Jan-17						
+L-313-14/0	Woo, Jung-Hee		Angimmune LLC	4-Jan-17						
*+L-064-10/1	Hu, Huaizhong		Angimmune LLC	4-Jan-17						
*+L-064-10/1	Liu, Yuan Yi		Angimmune LLC	4-Jan-17						
*+L-064-10/1	Ma, Shenglin		Angimmune LLC	4-Jan-17						
*+L-064-10/1	Neville, David		Angimmune LLC	4-Jan-17						
*+L-064-10/1	Scharff, Joshua		Angimmune LLC	4-Jan-17						
*+L-064-10/1	Thompson, Jerry		Angimmune LLC	4-Jan-17						
+L-064-10/1	(b) (4)		Angimmune LLC	4-Jan-17						
+L-064-10/1	(b) (4)		Angimmune LLC	4-Jan-17						
*+L-064-10/1	Woo, Jung-Hee		Angimmune LLC	4-Jan-17						
+L-036-04/0	Eiden, Maribeth V.		Monogram Biologics	31-Jan-17						

+L-036-04/0	Wilson, Carolyn A.	(b)(4);	Monogram Biologics	31-Jan-17	(b) (3) (A), (b) (4), (b) (6)				
<i>Note: L-036-04/0 split between NCI; NIAID; NIMH</i>									
+L-091-17/0	Eiden, Maribeth V.	(b)(6)	Microbiology & Quality Associates, Inc.	31-Jan-17					
+L-091-17/0	(b) (4)		Microbiology & Quality Associates, Inc.	31-Jan-17					
+L-091-17/0	Wilson, Carolyn A.		Microbiology & Quality Associates, Inc.	31-Jan-17					

**NIH Patent Licensing Activities
NIMH
February 2017**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann.	Patent	Total February	License	Inventor Awards	Net Remaining to
					Min./Exec. Fee	Prosecution Costs	Income	Cumulative Income	February	IC
+L-327-02/0	Kowalak, Jeffrey A.	(b)(4);	Shimadzu Corp.	17-Feb-17						
+L-327-02/0	Markey, Sanford P.	(b)(6)	Shimadzu Corp.	17-Feb-17						
+L-327-02/0	Masuda, Junichi		Shimadzu Corp.	17-Feb-17						
+L-327-02/0	Unsworth, Edward J.		Shimadzu Corp.	17-Feb-17						
+L-159-08/2	Pickel, James M.		Globalstem Inc	22-Feb-17						
+L-274-97/1	Jacobowitz, David		Chemicon International	28-Feb-17						
+L-274-97/1	Winsky, Lois		Chemicon International	28-Feb-17						
+L-231-94/3	Jacobowitz, David		Millipore Sigma	28-Feb-17						
+L-231-94/3	Strauss, Kenneth I		Millipore Sigma	28-Feb-17						
+L-231-94/3	Winsky, Lois		Millipore Sigma	28-Feb-17						
+L-165-97/2	Jacobowitz, David		Millipore Sigma	28-Feb-17	(b) (3) (A), (b) (4), (b) (6)					
+L-165-97/2	Winsky, Lois		Millipore Sigma	28-Feb-17						

**NIH Patent Licensing Activities
NIMH
March 2017**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann.	Patent	Total March	License	Inventor Awards	Net Remaining to
					Min./Exec. Fee	Prosecution Costs	Income	Cumulative Income	March	IC
+L-050-11/0	Dold, George R.	(b)(4);	Passy-Muir Inc	29-Mar-17						
+L-050-11/0	Morgan, Newlin T.	(b)(6)	Passy-Muir Inc	29-Mar-17						

Note: L-050-11/0 split between NIMH; NINDS

\$69,276.13	\$6,480.32	\$75,756.45	\$32,119.24	\$43,637.21
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* denotes an adjustment to fix a problem from a previous month
+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NINDS
October 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
+L-270-16/0	Major, Eugene O	(b)(4);	Pro-Arc Diagnostics, Inc	1-Oct-16						(b) (3) (A), (b) (4), (b) (6)
+L-270-16/0	Ryschkewitsch, Caroline F	(b)(6)	Pro-Arc Diagnostics, Inc	1-Oct-16						
+L-192-07/0	NINDS		Novavax	1-Oct-16						
+L-217-14/0	NINDS		Medicenna Therapeutics, Inc.	1-Oct-16						
<i>Note: L-217-14/0 split between NCI; NINDS</i>										
+L-083-11/0	Bielekova, Bibiana B	(b)(4);	Abbott Biotherapeutics Corp.	1-Oct-16						
+L-083-11/0	Martin, Roland	(b)(6)	Abbott Biotherapeutics Corp.	1-Oct-16						
+L-083-11/0	McFarland, Henry F.		Abbott Biotherapeutics Corp.	1-Oct-16						
<i>Note: L-083-11/0 split between NCI; NINDS</i>										
+L-192-07/0	NINDS		Novavax	12-Oct-16						
+L-280-14/1	NINDS		Arche Opitex Biomedical, Inc.	14-Oct-16						
<i>Note: L-280-14/1 split between NICHD; NINDS</i>										

NIH Patent Licensing Activities
NINDS
November 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
*+L-181-04/2	Hou, Jean	(b)(4); (b)	Immuquest Ltd	1-Nov-16						(b) (3) (A), (b) (4), (b) (6)
*+L-181-04/2	Major, Eugene O	(6)	Immuquest Ltd	1-Nov-16						
*+L-181-04/2	Messam, Conrad A		Immuquest Ltd	1-Nov-16						
*+L-181-04/2	Hou, Jean		Immuquest Ltd	1-Nov-16						
*+L-181-04/2	Major, Eugene O		Immuquest Ltd	1-Nov-16						
*+L-181-04/2	Messam, Conrad A		Immuquest Ltd	1-Nov-16						
*+L-181-04/2	Hou, Jean		Immuquest Ltd	1-Nov-16						
*+L-181-04/2	Major, Eugene O		Immuquest Ltd	1-Nov-16						
*+L-181-04/2	Messam, Conrad A		Immuquest Ltd	1-Nov-16						
*+L-121-08/0	NINDS		Medtronic Inc	2-Nov-16						
<i>Note: L-121-08/0 split between NCI; NINDS</i>										
*+L-159-07/2	Oldfield, (b) (6) Edward H.	(b)(4);	Hope Pharmaceuticals	10-Nov-16						
*+L-159-07/2	Pluta, Ryszard M	(b)(6)	Hope Pharmaceuticals	10-Nov-16						
<i>Note: L-159-07/2 split between CC; NHLBI; NIDDK; NINDS</i>										
*+L-130-02/1	Hsu, Yite	(b)(4);	Santa Cruz Biotechnology Inc	28-Nov-16						
*+L-130-02/1	Youle, Richard J.	(b)(6)	Santa Cruz Biotechnology Inc	28-Nov-16						

(b) (3) (A), (b) (4), (b) (6)

*+L-130-02/1	Hsu, Yite	(b)(4);	Santa Cruz Biotechnology Inc	28-Nov-16
*+L-130-02/1	Youle, Richard J.	(b)(6)	Santa Cruz Biotechnology Inc	28-Nov-16
*+L-130-02/1	Hsu, Yite		Santa Cruz Biotechnology Inc	28-Nov-16
*+L-130-02/1	Youle, Richard J.		Santa Cruz Biotechnology Inc	28-Nov-16
+L-083-11/0	Bielekova, Bibiana B		Abbott Biotherapeutics Corp.	29-Nov-16
+L-083-11/0	Martin, Roland		Abbott Biotherapeutics Corp.	29-Nov-16
+L-083-11/0	McFarland, Henry F.		Abbott Biotherapeutics Corp.	29-Nov-16
<i>Note: L-083-11/0 split between NCI; NINDS</i>				
+L-083-11/0	Bielekova, Bibiana B		Abbott Biotherapeutics Corp.	29-Nov-16
+L-083-11/0	Martin, Roland		Abbott Biotherapeutics Corp.	29-Nov-16
+L-083-11/0	McFarland, Henry F.		Abbott Biotherapeutics Corp.	29-Nov-16
<i>Note: L-083-11/0 split between NCI; NINDS</i>				

NIH Patent Licensing Activities
NINDS
December 2016

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-159-07/2	NINDS		Hope Pharmaceuticals	2-Dec-16						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-159-07/2 split between CC; NHLBI; NIDDK; NINDS</i>										
+L-085-13/0	Bielekova, Bibiana B	(b)(4); (b)(6)	Santhera Pharmaceuticals AG	9-Dec-16						
+L-085-13/0	McFarland, Henry F.		Santhera Pharmaceuticals AG	9-Dec-16						
+L-176-08/3	NINDS		Aires	16-Dec-16						
<i>Note: L-176-08/3 split between CC; NHLBI; NIDDK; NINDS</i>										
+L-106-02/1	Hsu, Yite	(b)(4);	BioCare Medical, LLC	21-Dec-16						
+L-106-02/1	Youle, Richard J.	(b)(6)	BioCare Medical, LLC	21-Dec-16						
+L-060-14/0	Goda, Shuichira		Charcot-Marie-Tooth Association	22-Dec-16						
+L-060-14/0	Hammer, Jeffrey A.		Charcot-Marie-Tooth Association	22-Dec-16						
+L-060-14/0	Quarles, Richard H.		Charcot-Marie-Tooth Association	22-Dec-16						
+L-060-14/0	Sasagasako, Naokazu		Charcot-Marie-Tooth Association	22-Dec-16						
+L-060-14/0	Toda, Kenichi		Charcot-Marie-Tooth Association	22-Dec-16						
+L-083-11/0	Bielekova, Bibiana B		Abbott Biotherapeutics Corp.	28-Dec-16						
+L-083-11/0	Martin, Roland		Abbott Biotherapeutics Corp.	28-Dec-16						
+L-083-11/0	McFarland, Henry F.		Abbott Biotherapeutics Corp.	28-Dec-16						
<i>Note: L-083-11/0 split between NCI; NINDS</i>										
+L-083-11/0	Bielekova, Bibiana B		Abbott Biotherapeutics Corp.	28-Dec-16						
+L-083-11/0	Martin, Roland		Abbott Biotherapeutics Corp.	28-Dec-16						
+L-083-11/0	McFarland, Henry F.		Abbott Biotherapeutics Corp.	28-Dec-16						
<i>Note: L-083-11/0 split between NCI; NINDS</i>										
+L-008-08/1	Hsu, Yite		Biolegend	28-Dec-16						

+L-008-08/1	Youle, Richard J.	(b)(4); (b)(6)	Biolegend	28-Dec-16
+L-058-13/1	Hou, Jean		BioLegend	28-Dec-16
+L-058-13/1	Major, Eugene O		BioLegend	28-Dec-16
+L-058-13/1	Messam, Conrad A		BioLegend	28-Dec-16
+L-125-04/1	Hou, Jean		BIOLEGEND INC	28-Dec-16
+L-125-04/1	Major, Eugene O		BIOLEGEND INC	28-Dec-16
+L-125-04/1	Messam, Conrad A		BIOLEGEND INC	28-Dec-16
+L-302-14/0	NINDS		KannaLife Sciences, Inc.	30-Dec-16

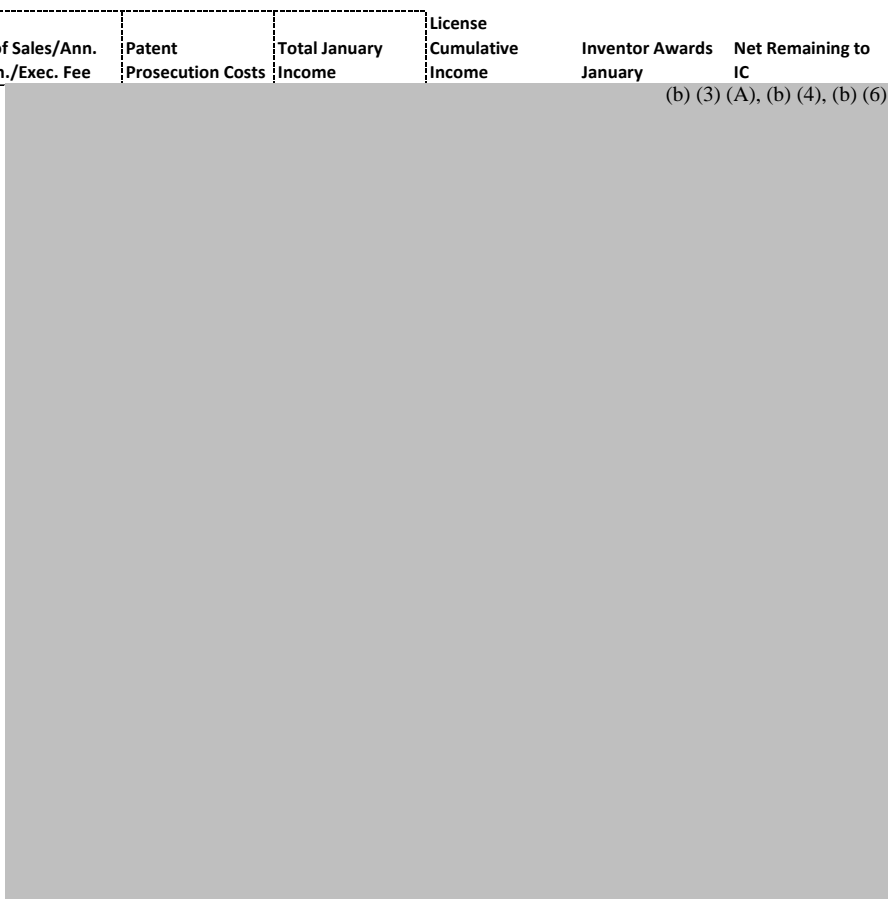
Note: L-302-14/0 split between NIMH; NINDS



(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NINDS
January 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
*+L-144-08/0	Hou, Jean	(b)(4);	eBioscience	18-Feb-16						(b) (3) (A), (b) (4), (b) (6)
*+L-144-08/0	Major, Eugene O	(b)(6)	eBioscience	18-Feb-16						
*+L-144-08/0	Messam, Conrad A		eBioscience	18-Feb-16						
+L-070-03/2	Hallett, Mark		Brainsway, Inc.	4-Jan-17						
+L-070-03/2	Miranda, Pedro		Brainsway, Inc.	4-Jan-17						
+L-070-03/2	Roth, Yiftach		Brainsway, Inc.	4-Jan-17						
Note: L-070-03/2 split between NIDA; NINDS										
+L-053-00/1	Hsu, Yite		eBioscience	4-Jan-17						
+L-053-00/1	Youle, Richard J.		eBioscience	4-Jan-17						
+L-144-08/0	Hou, Jean		eBioscience	4-Jan-17						
+L-144-08/0	Major, Eugene O		eBioscience	4-Jan-17						
+L-144-08/0	Messam, Conrad A		eBioscience	4-Jan-17						
+L-036-99/3	Hsu, Yite		Bender MedSystems GmbH	4-Jan-17						
+L-036-99/3	Suzuki, Motoshi		Bender MedSystems GmbH	4-Jan-17						
+L-036-99/3	Youle, Richard J.		Bender MedSystems GmbH	4-Jan-17						
+L-084-97/3	Hsu, Yite		BD Biosciences	10-Jan-17						
+L-084-97/3	Youle, Richard J.		BD Biosciences	10-Jan-17						
+L-182-04/2	Hou, Jean		Novus Biologicals Inc	10-Jan-17						
+L-182-04/2	Major, Eugene O		Novus Biologicals Inc	10-Jan-17						
+L-182-04/2	Messam, Conrad A		Novus Biologicals Inc	10-Jan-17						
+L-263-97/1	Hsu, Yite		Trevigen, Inc.	24-Jan-17						
+L-263-97/1	Youle, Richard J.		Trevigen, Inc.	24-Jan-17						
+L-235-97/2	Hsu, Yite		Southern Biotechnology Assoc.	25-Jan-17						
+L-235-97/2	Youle, Richard J.		Southern Biotechnology Assoc.	25-Jan-17						



+L-214-94/0	Brann, (b) (6) Mark R	(b)(4);	Panlabs, Inc.	26-Jan-17	(b) (3) (A), (b) (4), (b) (6)
+L-214-94/0	Stormann, Thomas M.	(b)(6)	Panlabs, Inc.	26-Jan-17	
+L-214-94/0	Brann, (b) (6) Mark R		Panlabs, Inc.	26-Jan-17	
+L-214-94/0	Stormann, Thomas M.		Panlabs, Inc.	26-Jan-17	
+L-091-98/2	Hsu, Yite		NeoMarkers, Inc.	27-Jan-17	
+L-091-98/2	Youle, Richard J.		NeoMarkers, Inc.	27-Jan-17	
+L-091-98/2	Hsu, Yite		NeoMarkers, Inc.	27-Jan-17	
+L-091-98/2	Youle, Richard J.		NeoMarkers, Inc.	27-Jan-17	
+L-012-01/1	Hsu, Yite		NeoMarkers, Inc.	27-Jan-17	
+L-012-01/1	Youle, Richard J.		NeoMarkers, Inc.	27-Jan-17	
+L-141-06/2	Jensen, Peter N		ViraCor Laboratories	31-Jan-17	
+L-141-06/2	Major, Eugene O		ViraCor Laboratories	31-Jan-17	
+L-141-06/2	Jensen, Peter N		ViraCor Laboratories	31-Jan-17	
+L-141-06/2	Major, Eugene O		ViraCor Laboratories	31-Jan-17	

NIH Patent Licensing Activities
NINDS
February 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-217-14/0	NINDS		Medicenna Therapeutics, Inc.	1-Feb-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-217-14/0 split between NCI; NINDS</i>										
+L-205-00/2	NINDS		BioProducts MD, LLC	2-Feb-17						
<i>Note: L-205-00/2 split between NEI; NINDS</i>										
+L-205-00/2	Schwartz, Joan P	(b)(4);	BioProducts MD, LLC	2-Feb-17						
+L-205-00/2	Sugita, Yukihiko	(b)(6)	BioProducts MD, LLC	2-Feb-17						
+L-205-00/2	Taniwaki, Takayuki		BioProducts MD, LLC	2-Feb-17						
<i>Note: L-205-00/2 split between NEI; NINDS</i>										
+L-185-04/1	Hou, Jean		Mubio Products BV	15-Feb-17						
+L-185-04/1	Major, Eugene O		Mubio Products BV	15-Feb-17						
+L-185-04/1	Messam, Conrad A		Mubio Products BV	15-Feb-17						
+L-087-07/1	Bankiewicz, Krystof S.		MedGenesis Therapeutix	15-Feb-17						
+L-087-07/1	Bobo, Richard		MedGenesis Therapeutix	15-Feb-17						
+L-087-07/1	Hamilton, John F		MedGenesis Therapeutix	15-Feb-17						
+L-087-07/1	Laske, Douglas		MedGenesis Therapeutix	15-Feb-17						
+L-087-07/1	Lonser, Russell R		MedGenesis Therapeutix	15-Feb-17						
+L-087-07/1	Oldfield, (b) (6) Edward H.		MedGenesis Therapeutix	15-Feb-17						
<i>Note: L-087-07/1 split between NCI; NIBIB; NINDS</i>										
+L-030-04/1	Hou, Jean		Medical and Biological Labs.	15-Feb-17						
+L-030-04/1	Major, Eugene O		Medical and Biological Labs.	15-Feb-17						

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-030-04/1	Messam, Conrad A	(b)(4); (b)(6)	Medical and Biological Labs.	15-Feb-17						(b) (3) (A), (b) (4), (b) (6)
+L-130-02/1	Hsu, Yite		Santa Cruz Biotechnology Inc	22-Feb-17						
+L-130-02/1	Youle, Richard J.		Santa Cruz Biotechnology Inc	22-Feb-17						
+L-008-08/1	Hsu, Yite		Biolegend	23-Feb-17						
+L-008-08/1	Youle, Richard J.		Biolegend	23-Feb-17						
+L-058-13/1	Hou, Jean		BioLegend	23-Feb-17						
+L-058-13/1	Major, Eugene O		BioLegend	23-Feb-17						
+L-058-13/1	Messam, Conrad A		BioLegend	23-Feb-17						
+L-065-03/1	Hsu, Yite		Covance Research Products Inc	23-Feb-17						
+L-065-03/1	Youle, Richard J.		Covance Research Products Inc	23-Feb-17						
+L-125-04/1	Hou, Jean		BIOLEGEND INC	23-Feb-17						
+L-125-04/1	Major, Eugene O		BIOLEGEND INC	23-Feb-17						
+L-125-04/1	Messam, Conrad A		BIOLEGEND INC	23-Feb-17						
+L-264-14/0	Gainer, Harold		EMD Millipore Corporation	28-Feb-17						
+L-166-15/0	Badger, John D.		EMD Millipore Corporation	28-Feb-17						
+L-166-15/0	Bemben, Michael A.		EMD Millipore Corporation	28-Feb-17						
+L-166-15/0	Roche, Katherine W.		EMD Millipore Corporation	28-Feb-17						
+L-167-15/0	Blackstone, Craig D.		EMD Millipore Corp	28-Feb-17						
+L-167-15/0	Zhu, Peng-Peng		EMD Millipore Corp	28-Feb-17						
+L-208-01/2	Hou, Jean		Chemicon	28-Feb-17						
+L-208-01/2	Major, Eugene O		Chemicon	28-Feb-17						
+L-208-01/2	Messam, Conrad A		Chemicon	28-Feb-17						
+L-025-02/0	NINDS		Chemicon International Inc	28-Feb-17						
<i>Note: L-025-02/0 split between NEI; NINDS</i>										
+L-025-02/0	NINDS		Chemicon International Inc	28-Feb-17						
<i>Note: L-025-02/0 split between NEI; NINDS</i>										
+L-025-02/0	NINDS		Chemicon International Inc	28-Feb-17						
<i>Note: L-025-02/0 split between NEI; NINDS</i>										
+L-025-02/0	Schwartz, Joan P	(b)(4); (b)(6)	Chemicon International Inc	28-Feb-17						
+L-025-02/0	Sugita, Yukihiro	(b)(6)	Chemicon International Inc	28-Feb-17						
+L-025-02/0	Taniwaki, Takayuki		Chemicon International Inc	28-Feb-17						
<i>Note: L-025-02/0 split between NEI; NINDS</i>										

NIH Patent Licensing Activities

NINDS

March 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
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+L-083-11/0	Bielekova, Bibiana B	(b)(4);	Abbott Biotherapeutics Corp.	1-Mar-17
+L-083-11/0	Martin, Roland	(b)(6)	Abbott Biotherapeutics Corp.	1-Mar-17
+L-083-11/0	McFarland, Henry F.		Abbott Biotherapeutics Corp.	1-Mar-17
<i>Note: L-083-11/0 split between NCI; NINDS</i>				
+L-083-11/0	Bielekova, Bibiana B		Abbott Biotherapeutics Corp.	1-Mar-17
+L-083-11/0	Martin, Roland		Abbott Biotherapeutics Corp.	1-Mar-17
+L-083-11/0	McFarland, Henry F.		Abbott Biotherapeutics Corp.	1-Mar-17
<i>Note: L-083-11/0 split between NCI; NINDS</i>				
+L-182-04/2	Hou, Jean		Novus Biologicals Inc	6-Mar-17
+L-182-04/2	Major, Eugene O		Novus Biologicals Inc	6-Mar-17
+L-182-04/2	Messam, Conrad A		Novus Biologicals Inc	6-Mar-17
+L-195-97/2	Hsu, Yite		Zymed Laboratories, Inc.	7-Mar-17
+L-195-97/2	Youle, Richard J.		Zymed Laboratories, Inc.	7-Mar-17
+L-050-11/0	Humbert, lanessa A		Passy-Muir Inc	29-Mar-17
+L-050-11/0	Lowell, Soren Y		Passy-Muir Inc	29-Mar-17
+L-050-11/0	Ludlow, Christy L.		Passy-Muir Inc	29-Mar-17
+L-050-11/0	Poletto, Christopher J.		Passy-Muir Inc	29-Mar-17
<i>Note: L-050-11/0 split between NIMH; NINDS</i>				



(b) (3) (A), (b) (4), (b) (6)

\$665,204.13	\$30,943.02	\$696,147.15	\$191,473.84	\$504,673.31
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* denotes an adjustment to fix a problem from a previous month
+ denotes a manual adjustment which has already been paid to the inventor

National Institutes of Health

Office of Financial Management

Royalties Semiannual Report -- Payments due to Inventors by IC -- Period ending: September 2017

CC

\$38,959.23

Franaszek, Marek

(b) (3) (A), (b)
(4), (b) (6)

Gladwin, Mark T.

Huang, Hui-Yang

Iordanescu, Gheorghe

Jerebko, Anna K

Kwak, Jin Tae

(b) (4)

Roy, David

Summers, Ronald

Wood, Bradford J

Xu, Sheng

Yao, Jianhua

CDC

\$140,534.57

Albarino, Cesar G.

(b) (3) (A), (b)
(4), (b) (6)

Alisio, Carol H.

Anderson, Larry J.

Ashley, Kevin E.

Barrett, Timothy J.

Beck, Eric T.

Bellini, William J.

Berman, LaShondra

Bird, Brian H.

Bishop, Henry

Black, Charlotte M.

Black, Jodi B.

Boeniger, Mark F.

Boyer, Anne E.

Brand, Joy A.

Burns, Cara C.

Butera, Salvatore T.
Campagnoli, Raymond
CDC
Chang, Gwong-Jen J.
Cox, Nancy J.
Davis, Brent S.
Downes, Frances P.
Emery, Shannon L.
Erdman, Dean D.
Esswein, Eric J.
Fields, Patricia
Folks, Thomas M
Freeman, Charlotte
Frey, Garrett S.
Galland, Gale G.
Gentsch, Jon R.
Glass, Roger I.
Green, James H.
Harmon, Maurice
Hart, Clyde E.
Hart, John C.
Jiang, Baoming
Kendal, Alan P.
Kew, Olen M.
King, Grant W.
Kinney, Claire Huang
Kinney, Richard M.
Klimov, Alexander I.
Ksiazek, Thomas G.
Kulkarni, Pramod
Leaumont, Collette F.
Lewis, Daniel M.
Lindstrom, Stephen
Loftin, Lamorris

(b) (3) (A), (b) (4),
(b) (6)

Lopez, Carlos
Maddison, Shirley E.
Maher, Kaija
Mark W. Reimer (b) (6)
McDougal, Steve
McQuiston, John R.
Miller, Arthur L.
Moore, Deborah D.
Nichol, Stuart T.
Oberste, M. Steven
Ou, Chin Yih
Pallansch, Mark A.
Pellett, Philip E.
Peret, Teresa C.
Phillips, Donald
Prez, Victor L
Qj, Chaolong
Quay, Jacqueline
Rains, Richard
Reimer, Charles B.
Roehrig, John T.
Rupprecht, Charles E.
Saluzzo, Jean-francious
Sanchez, Anthony
Sanchez-Martinez, Demetrio
Schantz, Peter M.
Schmechel, Detlef
Schochetman, Gerald
Shaw, Jing
Shu, Bo
Smith, Jean S.
Snyder, Jay L.
Spika, John S.
Stockdale, Carol

(b) (3) (A), (b)
(4), (b) (6)

Strockbine, Nancy
Sunderman, Carl B.
Thibodeaux, Brett A.
Tripp, Ralph A.
Tsang, Victor C.

(b) (4)

Walls, Harriet
Wang, Yuhuan
Wang, Zhongde
Wells, Thomas
Wilson, Marianna
Wood, Gerry O.
Wu, Xianfu
Yager, Pamela
Yamamoto, Masahiro

CIT

Malley, James
Wagner, Lynne M

FDA

Donnelly, Raymond P.

Falgout, Barry
Markoff, Lewis

Obiri, Nicholas
Petricoin, Emanuel

Puri, Raj K

NCATS

Auld, Douglas S.
Austin, Christopher P.

Boxer, Matthew
Inglese, James

Jiang, Jian-kang
Liu, Ke

Marugan, Juan J.
McKew, John C.

(b) (3) (A), (b) (4),
(b) (6)

(b) (3) (A), (b) (4),
(b) (6)

\$4,628.99

(b) (3) (A), (b)
(4), (b) (6)

\$747,501.35

(b) (3) (A), (b)
(4), (b) (6)

Morris, Patrick
Shen, Min
Skoumbourdis, Amanda P.
Southall, Noel T.
Swaroop, Manju
Thomas, Craig J.
Xiao, Jingbo
Xu, Miao
Zheng, Wei

(b) (3) (A), (b) (4),
(b) (6)

NCI

\$11,427,801.14

Aaronson, Stuart A.
Adhya, Sankar Lal
Allegra, Carmen
Ambrose, Zandrea

(b) (3) (A), (b) (4), (b)
(6)

(b) (4)

Anderson, Lucy M.
Antony, Paul A.
Austin, Faye C.
Bagni- Beyer, Rachel K.
Barry, Todd
Baskar, Sivasubramanian
Beers, Richard
Bera, Tapan K
Bonner, William M
Bonomi, Carrie A.
Borgel, Suzanne D.

(b) (4)

Brechbiel, Martin W.
Broadt, Trevor L.
Buck, Christopher
Bustin, Michael
Cao, Boliang (Brian)

(b) (4)

Chabner, Bruce A

Chakrapani, Harinath
Chang, Kai
Chang, Nancy T.
Chaudhary, Vijay K
Cheng, Sheue-Yann
Chowdhury, Partha S
Choyke, Peter L
Colcher, David
Copeland, Neal
Copeland, Terry D.
Costantino, Nina
Court, Donald
Crowl, Robert
Datta, Simanti
Dimitrov, Dimiter S.
Dougherty, Kelly
Dudley, Mark
Eberle, Jaime A
Ellis, Hilary Moyed
Emmert-Buck, Michael R.
Esposito, Dominic
(b) (6) Donald J. Giard
Felber, Barbara
Felber, Barbara K.
Feldman, Steven A
Finch, Paul W.
Fisher, Amanda G.
Fitzgerald, David J.
Franchini, Genoveffa
Garmestani, Kayhan
Gazdar, Adi F.
Gelboin, (b) (6) Harry
(b) (4)
Giardina, Steven

(b) (3) (A), (b) (4), (b) (6)

Gillette, William K.
Gonzalez, Frank J
Gottesman, Michael M.
Greene, Warner C.
Grose, Carissa L.
Guedez, Liliana
Hahn, Beatrice
Hand, Patricia H
Hathcock, Karen
He, Xi
Hodes, Richard
Holderfield, Matthew T.
Hollingshead, Melinda G.
Hopkins, Ralph F.
Hrabie, Joseph A
Hurwitz, Arthur A.
(b) (4)
Irvine, Kari R.
Jenkins Copeland, Nancy A
Ji, Qingyong
Ji, Xinhua
Johnson, Bruce E
Johnston, Patrick G.
Ju, Tina W.
Kalyanaraman, Vaniambadi S.
Kashmiri, (b) (6) Syed
Kawakami, Yutaka
Kaye, Frederic J
Keefer, Larry K
Kewalramani, Vineet N
Kheif, Samir N.
Khleif, Samir N.
King, Charles R.
Kraus, (b) (6) Matthias



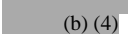
(b) (3) (A), (b) (4),
(b) (6)

Krausz, Kristopher W.
Kreitman, Robert J
Kumari, Vandana
Lacal, Juan C.
Laszlo, Gloria
Lee, Byungkook
Lee, Choonsik
Lee, E-Chiang
Leonard, Warren J.
Li, Chou Chi
Liang, Chi-Ming
Linehan, Marston
Liotta, Lance
Liu, Pentao
Liu, Wenhai
Longo, Dan L
Maciag, Anna Elzbieta
Markham, Phillip D.
Marquez, Victor E
Mason, Llewellyn H.
Mazor, Ronit
McVicar, Daniel W
Medabalimi, John L.
Mehta, Arpita I
Minna, John D.
Mora, (b) (6) Peter T.
Morgan, Richard A.
Muchmore, Brian P.
Nagata, Satoshi
Nelson, David L.
Nuti, Marianna
O'Brien, Thomas R
Oie, Herbert K
Onda, Masanori

(b) (3) (A), (b) (4),
(b) (6)

Oroszlan, Stephen
Ortaldo, John R.
Parks, Wade P
Pass, Harvey I.
Pastan, Ira H
Pastrana, Diana V
Pavlakis, George N
Pinto, Peter A
Popovic, Mikulas
Porter-Gill, Patricia A.
Potter, (b) (6) Michael
Prokunina-Olsson, Ludmila
Qasba, Pradman
Rader, Christoph
Ramakrishnan, Boopathy
Reddy, E. Premkumar.
Restifo, Nicholas P.
Robbins, Paul F
Roberts, (b) (6) Anita
Roberts, Veronica Ann
Rodan, Richard B
Rogakou, Efthimia P
Rosati, Margherita
Rosenberg, Steven A.
Rosenwald, Andreas
Rubin, Jeffrey S
Rubin, Laurence A.
Saavedra, Joseph E
Salahuddin, Syed Z.
Sarngadharan, Mangalasseril
Sausville, Edward
Sawitzke, James
Schlom, Jeffrey
Sharan, Shyam K

(b) (3) (A), (b) (4),
(b) (6)

Shaw, George M
Shu, Liming
Simone, Nicole L
Singh, Vinod
Smyth-Templeton, Nancy
Snader, Kenneth M
Soppet, Dan
Sporn, Michael B.
Staudt, Louis M
Steeg, Patricia S.
Stephens, Robert M.
Stetler-Stevenson, William G.
Swaminathan, Srividya
Turkbey, Ismail B.
Ueda, Kazumitsu
 (b) (4)
 (b) (4)
 (b) (4)
Vande Woude, George
Varesio, Luigi
Vassall, Aaron
Vishnuvajjala, B. Rao
Waldmann, Thomas A.
Wang, Xiaohong
Warming, Soren
Washington, Anthony V
Weldon, John
Wiestner, Adrian
Willingham, Mark C.
Wilson, Wyndham H.
Xu, Junfen
Yang, Tian J.
Yang, Youfeng
Yao, Xin

(b) (3) (A), (b) (4), (b)
(6)

Yarchoan, Robert
Ying, Tianlei
Yoshimura, Teizo
Yu, Daiguan
Zheng, Zhi-Min g (Thomas)
Zhu, Shiqui
Zhu, Zhongyu
Zhu, Ziqiang

(b) (3) (A), (b) (4),
(b) (6)

NEI

\$0.00

NHGRI

\$50,996.24

Biesecker, Leslie G.
Chandler, Randy J.
Cheng, Jun
Heselmeyer, Kerstin
Johnston, Jennifer J.
Macville, Merryn VE
Manoli, Irini
Meltzer, Paul
Mullikin, James C.
Ried, Thomas
Schrock, Evelin
Schwartzberg, Pamela L.
Sidransky, Ellen
Stubblefield, Barbara K.
Trent, Jeffrey
Venditti, Charles P.

(b) (3) (A), (b) (4),
(b) (6)

NHLBI

\$173,158.43

Aletras, Anthony Homer
Brewer, H. Bryan
Cannon, Richard O.
Cecchini, Sylvain
Chiorini, John A.
Derbyshire, John Andrew
Ding, Chuan-Tian

(b) (3) (A), (b)
(4), (b) (6)

Ding, Chuantian
Gladwin, Mark T.
Hoeg, Nancy
Hunter, Christian J

(b) (4)

Kajigaya, Sachiko
Kellman, Peter
Kotin, Robert M.

(b) (4)

(b) (4)

McVeigh, Elliott R
Nezafat, Reza
Santamarina-Fojo, Silvia
Shimada, Takashi
Smith, Richard H.

(b) (4)

Urabe, Masashi

(b) (4)

Wen, Han
Yang, Yanqin
Young, Neal
Zhu, Jun

NIA

\$14,571.23

Doyle, Maire E
Egan, Josephine M
Greig, Nigel H
Hodes, Richard J
Holloway, Harold
Ko, Minoru S.
Longo, Dan L

(b) (3) (A), (b) (4),
(b) (6)

(b) (4)

Matarin Jimenez, Maria Del Mar
Moaddel, Ruin
Passanti, Antonio

Perfetti, Riccardo
Perry, Tracy Ann
Singleton, Andrew B.

NIAAA

Cinar, Resat
Iyer, Malliga R.
Kunos, George I

NIAID

Adachi, Akio
Ahuja, Sunil K.
Akahata, Wataru
Akin, Cem
Alkhatib, Ghalib
Bazan, Hernan
Berger, Edward A.
Biacchesi, Stephanie
Blaney, Jr., Joseph E
Bray, Michael
Brock, Linda G.
Broder, Christopher
Buchholz, Ursula
Bukh, Jens
Caldwell, Harlan D
Chakrabarti, Bimal K
Chanock, (b) (6) Robert
Chen, Zhao Chun
Cheng, Cheng
Cheung, Yiu Chong Gordon
Collins, Peter L.
Combadiere, Christophe
Connors, Mark
DeVico, Angela M.
DiNapoli, Joshua M.
Eckels, Kenneth H

(b) (3) (A), (b)
(4), (b) (6)

(b) (3) (A), (b) (4),
(b) (6)

\$402,320.21

(b) (3) (A), (b)
(4), (b) (6)

Emerson, Suzanne U.
(b) (6) Clement K. Asiedu
Feng, Yu
Folks, Thomas M
Gao, Jiliang
Garboczi, David
Gupta, Pradeep K.
Hanley, Kathryn
Harriman, Gregory R.
Hogerkor, Carl-Magnus
Hoshino, Yasutaka
Hsu, Su-Cheng Dana
Hu, Haijing
Huang, (b) (6) Yue
Kapikian, (b) (6) Albert Z
Kennedy, Paul
Kirshenbaum, Arnold
Korty, Patricia E.
Kunimoto, Dennis Y.
Kwong, Peter D.
Lai, Ching-Juh
Lantz, Larry
Le Nouen, Cyril J.
Leonard, John M.
Leppla, Stephen H.
Leysath, Clinton E.
Li, Yuxing
Long, Eric O.
Mackett, Michael
Mangalampalli, Venkata R.
Martin, Malcolm A
Mascola, John R.
Men, Ruhe
Merritt, Joshua S.

(b) (3) (A), (b) (4),
(b) (6)

Metcalfe, Dean D
Moayeri, Mahtab
Morrison, Richard P.
Moss, Bernard
Murphy, Brian R.
Murphy, Philip M.
Nabel, Gary J
Nutman, Thomas B.
OFEK, GILAD A
Ohara, Junichi
Paul, (b) (6) William E.
Pease, James
Phillips, Damilola D.
Pletnev, Alexander G
Pomerantsev, Andrei P
Powell, Douglas M
Purcell, Robert H
Rabson, Arnold B.
Rajagopalan, Sumati
Rao, Srinivas
Roederer, Mario
Rutledge, Rosamond A.
Schwartz, Richard M.
Sen, Anita
Shapiro, Lawrence
Shevach, Ethan M
Siebenlist, Ulrich
Smith, Geoffrey L
Strober, Warren
Sullivan, Nancy J
Sun, Peter D

(b) (4)

Theodore, (b) (6) Theodore S
Tiffany, H. Lee

(b) (3) (A), (b) (4),
(b) (6)

Ward, Lucy A.
Whitehead, Stephen S.
Willey, Ronald L.
Wu, Xueling
Wyatt, Richard T.
Wycuff, Diane L.
Yanagi, Masayuki
Yang, Zhi-Yong
Zhang, Yi-Ming
Zhou, Tongqing
Zhu, Jiang
Zou, Zhongcheng
NIAMS
Kinet, Jean-Pierre
NIBIB
Bungay, Peter M
Chen, Xiaoyuan
Lang, Lixin
Niu, Gang
NICHD
Blithe, Diana L.
Bridson, William E.
Chou, Janice Y.
Hertz, Roy
Huang, Freesia
Huang, Kuo-Ping
Kaler, Stephen G.
Kingfield, Joyce G.
Klein, David C.
Kohler, Peter O
Moffett, John R
Namboodiri, Aryan M
Nieman, Lynnette K.
Robbins, John B.

(b) (3) (A), (b) (4),
(b) (6)

(b) (3) (A), (b) (4),
(b) (6)

\$3,195.26

(b) (3) (A), (b)
(4), (b) (6)

\$136,755.37

(b) (3) (A), (b) (4),
(b) (6)

Roseboom, Patrick
Samelson, Lawrence
Schneerson, Rachel
Szu, Shousun C
Weller, Joan
Zhang, Weiguo

(b) (3) (A), (b)
(4), (b) (6)

NIDA

\$14,083.19

Backman, Christina M
Cao, Jianjing
Cyriac, George C.
Grundt, Peter
Kumar, Vivek
Newman, Amy H.
Rice, Kenner C.
Shaik, Anerbasha
Tomac, Andreas C
Wise, Roy A
Zangen, Abraham

(b) (3) (A), (b)
(4), (b) (6)

NIDCD

\$7,982.61

Drayna, Dennis T.
Griffith, Andrew J.
Kim, Un-kyung
Labay, Valentia
Makishima, Tomoko
Selbie, W. Scott

(b) (3) (A), (b)
(4), (b) (6)

(b) (4)

NIDCR

\$16,237.55

Akiyama, Steven
Fisher, Larry
Iadarola, Michael J.
Karai, Laszlo J
Keith, Jerry M
Kulkarni, Ashok
Leppa, Stephen H.

(b) (3) (A), (b)
(4), (b) (6)

Merkel, Todd J.
Ohshima, Toshio
Olah, Zoltan
Robey, Pamela G.
Siraganian, Reuben
Termine, John D
Yamada, Kenneth
Yamada, Susan Sleeper
Yang, Xiaoming
Young, Marian F.

(b) (3) (A), (b)
(4), (b) (6)

NIDDK

\$31,818.61

Chandramohan, Dhruva
Chou, Carson C.
Hall, Kevin
Jacobson, Kenneth A
Jiang, Ji-Long
Karton, Yishai
Kim, Yong-Chul
Oral, Elif A.
Proia, Richard L
Sauer, Brian
Schechter, Alan N.
Shiloach, Joseph
Taylor, Simeon
Tosh, Dilip K.
Van Rhee, Albert M
Wess, Jurgen
Yamada, Masahisa

(b) (3) (A), (b)
(4), (b) (6)

NIEHS

\$4,725.00

Baek, Seung Joon
Copeland, William
DiAugustine, Richard P
Eling, Thomas E
Kasiviswanathan, Rajesh

(b) (3) (A), (b)
(4), (b) (6)

Lim, Susan E.
Teng, Christina T.

(b) (3) (A), (b)
(4), (b) (6)

NIMH

\$11,565.90

Bonner, Tom I
Cohen, Robert M.
Eiden, Maribeth V.
Jacobowitz, David
Lautens, Laura
Manji, Hussein K.
Strauss, Kenneth I
Wilson, Carolyn A.
Winsky, Lois
Ye, Daniel
Zarate, Carlos A.

(b) (3) (A), (b)
(4), (b) (6)

NINDS

\$191,205.39

Bankiewicz, Krystof S.
Biddison, William E
Bielekova, Bibiana B
Brady, (b) (6) Roscoe O
Dobersen, Michael J
Hallett, Mark
Hammer, Jeffrey A.
Hou, Jean
Hsu, Yite
Lonser, Russell R
Major, Eugene O
Martin, Roland
McFarland, Henry F.
Messam, Conrad A
Miranda, Pedro
Murray, Gary J
Noronha, Antonio B
Oldfield, (b) (6) Edward H.
Pluta, Ryszard M

(b) (3) (A), (b)
(4), (b) (6)

Quarles, Richard H.

Roth, Yiftach

Warach, Steven J.

Youle, Richard J.

NINR

Barr, Taura L.

(b) (4)

(b) (3) (A), (b)
(4), (b) (6)

(b) (3) (A), (b) (4), (b)
(6)

NIH Patent Licensing Activities
CC
April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
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NIH Patent Licensing Activities
CC
May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
L-036-16/0	CC		Aima Biotech, LLC	1-May-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-036-16/0 split between CC; NHLBI</i>										
+L-122-17/0	Kwak, Jin Tae	(b)(4);	Koninklijke Philips N.V.	1-May-17						
+L-122-17/0	Summers, Ronald	(b)(6)	Koninklijke Philips N.V.	1-May-17						
+L-122-17/0	Wood, Bradford J		Koninklijke Philips N.V.	1-May-17						
+L-122-17/0	Xu, Sheng		Koninklijke Philips N.V.	1-May-17						

Note: L-122-17/0 split between CC; NCI

NIH Patent Licensing Activities
CC
June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
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NIH Patent Licensing Activities
CC
July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
+L-240-17/0	Gladwin, Mark T.	(b)(4);	United Therapeutics Corporation	1-Jul-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-240-17/0 split between CC; NHLBI; NIDDK; NINDS</i>										
+L-111-06/0	Franaszek, Marek	(b)(4);	ICAD Inc	11-Jul-17						
+L-111-06/0	Huang, Hui-Yang	(b)(6)	ICAD Inc	11-Jul-17						
+L-111-06/0	Iordanescu, Gheorghe		ICAD Inc	11-Jul-17						
+L-111-06/0	Jerebko, Anna K		ICAD Inc	11-Jul-17						
+L-111-06/0	(b) (4)		ICAD Inc	11-Jul-17						
+L-111-06/0	Roy, David		ICAD Inc	11-Jul-17						
+L-111-06/0	Summers, Ronald		ICAD Inc	11-Jul-17						
+L-111-06/0	Yao, Jianhua		ICAD Inc	11-Jul-17						

Note: L-111-06/0 split between CC; CIT; NIDCD

+L-122-17/0 CC
 Note: L-122-17/0 split between CC; NCI

Koninklijke Philips N.V.

14-Jul-17

(b) (3) (A), (b) (4)

NIH Patent Licensing Activities
 CC
 August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
+L-240-17/0	Gladwin, Mark T.	(b)(4); (b)(6)	United Therapeutics Corporation	1-Aug-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-240-17/0 split between CC; NHLBI; NIDDK; NINDS</i>										
+L-240-17/0	CC		United Therapeutics Corporation	1-Aug-17						
<i>Note: L-240-17/0 split between CC; NHLBI; NIDDK; NINDS</i>										
+L-122-17/0	Kwak, Jin Tae	(b)(4); (b)(6)	Koninklijke Philips N.V.	29-Aug-17						
+L-122-17/0	Summers, Ronald	(b)(4); (b)(6)	Koninklijke Philips N.V.	29-Aug-17						
+L-122-17/0	Wood, Bradford J	(b)(4); (b)(6)	Koninklijke Philips N.V.	29-Aug-17						
+L-122-17/0	Xu, Sheng	(b)(4); (b)(6)	Koninklijke Philips N.V.	29-Aug-17						
<i>Note: L-122-17/0 split between CC; NCI</i>										

NIH Patent Licensing Activities
 CC
 September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
					\$162,516.33	\$9,483.00	\$171,999.33		\$38,959.23	\$133,040.10

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
 CDC
 April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License	Inventor Awards April	Net Remaining to IC
								Cumulative Income		
+L-070-16/1	CDC	(b)(4);	PaxVax, Inc.	3-Apr-17						(b) (3) (A), (b) (4), (b) (6)
*+L-070-16/1	Sanchez, Anthony	(b)(6)	PaxVax, Inc.	3-Apr-17						
<i>Note: L-070-16/1 split between CDC; NIAID</i>										
*+L-257-16/0	Snyder, Jay L.		Honeywell International Inc.	3-Apr-17						
*+L-257-16/0	Wood, Gerry O.		Honeywell International Inc.	3-Apr-17						
+L-257-16/0	Snyder, Jay L.		Honeywell International Inc.	3-Apr-17						
+L-257-16/0	Wood, Gerry O.		Honeywell International Inc.	3-Apr-17						
*+L-257-16/0	Snyder, Jay L.		Honeywell International Inc.	3-Apr-17						
*+L-257-16/0	Wood, Gerry O.		Honeywell International Inc.	3-Apr-17						
*+L-195-14/0	Beck, Eric T.		CTK Biotech, Inc.	4-Apr-17						
*+L-195-14/0	Kinney, Claire Huang		CTK Biotech, Inc.	4-Apr-17						
*+L-195-14/0	Kinney, Richard M.		CTK Biotech, Inc.	4-Apr-17						
*+L-151-14/0	Bellini, William J.		Millipore Corp.	4-Apr-17						
*+L-151-14/0	Wang, Zhongde		Millipore Corp.	4-Apr-17						
*+L-245-13/1	Glass, Roger I.		Novartis Animal Health US, Inc.	4-Apr-17						
*+L-245-13/1	Jiang, Baoming		Novartis Animal Health US, Inc.	4-Apr-17						
*+L-245-13/1	Saluzzo, Jean-francious		Novartis Animal Health US, Inc.	4-Apr-17						
*+L-178-13/2	Ashley, Kevin E.		Hygenall Corp.	4-Apr-17						
*+L-178-13/2	Boeniger, Mark F.		Hygenall Corp.	4-Apr-17						
*+L-178-13/2	Esswein, Eric J.		Hygenall Corp.	4-Apr-17						
*+L-154-14/0	Black, Jodi B.		Millipore Corporation	4-Apr-17						
*+L-154-14/0	Lopez, Carlos		Millipore Corporation	4-Apr-17						
*+L-154-14/0	Pellet, Philip E.		Millipore Corporation	4-Apr-17						
*+L-154-14/0	Yamamoto, Masahiro		Millipore Corporation	4-Apr-17						
*+L-136-14/1	Roehrig, John T.		Millipore Corporation	4-Apr-17						
*+L-140-14/1	Anderson, Larry J.		EMD Millipore Corporation	4-Apr-17						
*+L-140-14/1	Erdman, Dean D.		EMD Millipore Corporation	4-Apr-17						
*+L-140-14/1	Hart, John C.		EMD Millipore Corporation	4-Apr-17						
*+L-140-14/1	Peret, Teresa C.		EMD Millipore Corporation	4-Apr-17						
*+L-150-14/1	Maher, Kaija		EMD Millipore Corporation	4-Apr-17						
*+L-150-14/1	Pallansch, Mark A.		EMD Millipore Corporation	4-Apr-17						
*+L-143-13/0	Cox, Nancy J.		Biosearch Technologies, Inc.	7-Apr-17						
*+L-143-13/0	Klimov, Alexander I.		Biosearch Technologies, Inc.	7-Apr-17						
*+L-143-13/0	Lindstrom, Stephen		Biosearch Technologies, Inc.	7-Apr-17						
*+L-143-13/0	Loftin, Lamorris		Biosearch Technologies, Inc.	7-Apr-17						
*+L-014-14/0	Berman, LaShondra		Biosearch Technologies, Inc.	7-Apr-17						
*+L-014-14/0	Emery, Shannon L.		Biosearch Technologies, Inc.	7-Apr-17						
*+L-014-14/0	Lindstrom, Stephen		Biosearch Technologies, Inc.	7-Apr-17						
*+L-014-14/0	Shu, Bo		Biosearch Technologies, Inc.	7-Apr-17						

*+L-175-13/0	Chang, Gwong-Jen J.	(b)(4); (b)(6)	ID-VET Sar1	10-Apr-17
*+L-178-13/2	Ashley, Kevin E.		Hygenall Corp.	11-Apr-17
*+L-178-13/2	Boeniger, Mark F.		Hygenall Corp.	11-Apr-17
*+L-178-13/2	Esswein, Eric J.		Hygenall Corp.	11-Apr-17
*+L-015-14/0	McDougal, Steve		Columbia University	11-Apr-17
*+L-110-14/2	Alisio, Carol H.		Diasorin S.R.L.	14-Apr-17
*+L-110-14/2	Black, Charlotte M.		Diasorin S.R.L.	14-Apr-17
*+L-110-14/2	Galland, Gale G.		Diasorin S.R.L.	14-Apr-17
*+L-110-14/2	Mark W. Reimer (b) (6)		Diasorin S.R.L.	14-Apr-17
*+L-110-14/2	Moore, Deborah D.		Diasorin S.R.L.	14-Apr-17
*+L-110-14/2	Phillips, Donald		Diasorin S.R.L.	14-Apr-17
*+L-110-14/2	Wells, Thomas		Diasorin S.R.L.	14-Apr-17
*+L-178-13/2	Ashley, Kevin E.		Hygenall Corp.	25-Apr-17
*+L-178-13/2	Boeniger, Mark F.		Hygenall Corp.	25-Apr-17
*+L-178-13/2	Esswein, Eric J.		Hygenall Corp.	25-Apr-17
*+L-166-17/0	CDC		Accelerate Diagnostics, Inc.	26-Apr-17
*+L-196-17/0	CDC		Microbiologics Inc	28-Apr-17



(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
CDC
May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License	Inventor Awards May	Net Remaining to IC
								Cumulative Income		
+L-149-14/0	Roehrig, John T.	(b)(4); (b)(6)	Alere Inc.	1-May-17						(b) (3) (A), (b) (4), (b) (6)
+L-167-13/1	Pellett, Philip E.		ImmunoVision, Inc.	4-May-17						
+L-167-13/1	Sanchez-Martinez, Demetrio		ImmunoVision, Inc.	4-May-17						
+L-167-13/1	CDC		ImmunoVision, Inc.	4-May-17						
+L-329-14/0	Bishop, Henry		Fuller Laboratories	4-May-17						
+L-155-14/0	Freeman, Charlotte		Millipore Corp.	8-May-17						
+L-155-14/0	Pallansch, Mark A.		Millipore Corp.	8-May-17						
+L-160-14/0	Harmon, Maurice		Millipore Corp.	8-May-17						
+L-160-14/0	Kendal, Alan P.		Millipore Corp.	8-May-17						
+L-160-14/0	Stockdale, Carol		Millipore Corp.	8-May-17						
+L-160-14/0	Walls, Harriet		Millipore Corp.	8-May-17						
+L-160-14/0	Harmon, Maurice		Millipore Corp.	9-May-17						
+L-160-14/0	Kendal, Alan P.		Millipore Corp.	9-May-17						
+L-160-14/0	Stockdale, Carol		Millipore Corp.	9-May-17						
+L-160-14/0	Walls, Harriet		Millipore Corp.	9-May-17						
+L-163-14/1	Alisio, Carol H.		Sigma-Aldrich Israel LTD	12-May-17						
+L-163-14/1	Black, Charlotte M.		Sigma-Aldrich Israel LTD	12-May-17						
+L-163-14/1	Galland, Gale G.		Sigma-Aldrich Israel LTD	12-May-17						
+L-163-14/1	Moore, Deborah D.		Sigma-Aldrich Israel LTD	12-May-17						

+L-163-14/1	Phillips, Donald	(b)(4);	Sigma-Aldrich Israel LTD	12-May-17	(b) (3) (A), (b) (4), (b) (6)
+L-163-14/1	Reimer, Charles B.	(b)(6)	Sigma-Aldrich Israel LTD	12-May-17	
+L-163-14/1	Wells, Thomas		Sigma-Aldrich Israel LTD	12-May-17	
+L-203-14/0	Albarino, Cesar G.		Meril Limited	12-May-17	
+L-203-14/0	Bird, Brian H.		Meril Limited	12-May-17	
+L-203-14/0	Ksiazek, Thomas G.		Meril Limited	12-May-17	
+L-203-14/0	Nichol, Stuart T.		Meril Limited	12-May-17	
+L-210-17/0	CDC		Quest Diagnostics Inc.	16-May-17	
+L-210-17/0	CDC		Quest Diagnostics Inc.	16-May-17	
+L-225-17/0	Chang, Gwong-Jen J.	(b)(4);	InBios International, Inc.	17-May-17	
+L-225-17/0	Davis, Brent S.	(b)(6)	InBios International, Inc.	17-May-17	
+L-225-17/0	Roehrig, John T.		InBios International, Inc.	17-May-17	
+L-225-17/0	Thibodeaux, Brett A.		InBios International, Inc.	17-May-17	
+L-225-17/0	Chang, Gwong-Jen J.		InBios International, Inc.	17-May-17	
+L-225-17/0	Davis, Brent S.		InBios International, Inc.	17-May-17	
+L-225-17/0	Roehrig, John T.		InBios International, Inc.	17-May-17	
+L-225-17/0	Thibodeaux, Brett A.		InBios International, Inc.	17-May-17	
+L-225-17/0	Chang, Gwong-Jen J.		InBios International, Inc.	17-May-17	
+L-225-17/0	Davis, Brent S.		InBios International, Inc.	17-May-17	
+L-225-17/0	Roehrig, John T.		InBios International, Inc.	17-May-17	
+L-225-17/0	Thibodeaux, Brett A.		InBios International, Inc.	17-May-17	
+L-148-14/2	Butera, Salvatore T.		Merck Sharp & Dohme Corp.	24-May-17	
+L-148-14/2	Folks, Thomas M		Merck Sharp & Dohme Corp.	24-May-17	
+L-148-14/2	Prez, Victor L		Merck Sharp & Dohme Corp.	24-May-17	
+L-218-17/0	CDC		Microbiologics Inc	31-May-17	
+L-218-17/0	CDC		Microbiologics Inc	31-May-17	

NIH Patent Licensing Activities
CDC
June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License	Inventor Awards June	Net Remaining to IC
								Cumulative Income		
+L-141-14/3	Rupprecht, Charles E.	(b)(4);	Millipore Corporation	5-Jun-17						(b) (3) (A), (b) (4), (b) (6)
+L-141-14/3	Smith, Jean S.	(b)(6)	Millipore Corporation	5-Jun-17						
+L-141-14/3	Yager, Pamela		Millipore Corporation	5-Jun-17						
+L-126-15/0	CDC		GlaxoSmithKline Biologicals, S.A.	7-Jun-17						
+L-126-15/0	Sanchez, Anthony		GlaxoSmithKline Biologicals, S.A.	7-Jun-17						
<i>Note: L-126-15/0 split between CDC; NIAID</i>										
+L-251-13/0	Gentsch, Jon R.		Walvax Biotech.	12-Jun-17						
+L-251-13/0	Glass, Roger I.		Walvax Biotech.	12-Jun-17						
+L-251-13/0	Jiang, Baoming		Walvax Biotech.	12-Jun-17						
+L-251-13/0	Saluzzo, Jean-francious		Walvax Biotech.	12-Jun-17						
+L-251-13/0	Wang, Yuhuan		Walvax Biotech.	12-Jun-17						
+L-251-13/0	Gentsch, Jon R.		Walvax Biotech.	12-Jun-17						

+L-251-13/0	Glass, Roger I.	(b)(4); (b)(6)	Walvax Biotech.	12-Jun-17
+L-251-13/0	Jiang, Baoming	(b)(4); (b)(6)	Walvax Biotech.	12-Jun-17
+L-251-13/0	Saluzzo, Jean-francious	(b)(4); (b)(6)	Walvax Biotech.	12-Jun-17
+L-251-13/0	Wang, Yuhuan	(b)(4); (b)(6)	Walvax Biotech.	12-Jun-17
+L-241-17/0	CDC		ZeptoMetrix Corporation	16-Jun-17
+L-241-17/0	CDC		ZeptoMetrix Corporation	16-Jun-17
+L-068-14/2	Alisio, Carol H.	(b)(4); (b)(6)	Toxin Technology, Inc.	19-Jun-17
+L-068-14/2	Barrett, Timothy J.	(b)(4); (b)(6)	Toxin Technology, Inc.	19-Jun-17
+L-068-14/2	Downes, Frances P.	(b)(4); (b)(6)	Toxin Technology, Inc.	19-Jun-17
+L-068-14/2	Green, James H.	(b)(4); (b)(6)	Toxin Technology, Inc.	19-Jun-17
+L-068-14/2	Spika, John S.	(b)(4); (b)(6)	Toxin Technology, Inc.	19-Jun-17
+L-068-14/2	Strockbine, Nancy	(b)(4); (b)(6)	Toxin Technology, Inc.	19-Jun-17
+L-149-14/0	Roehrig, John T.		Alere Inc.	22-Jun-17
+L-115-14/0	Hart, Clyde E.		Cetus Corp.	27-Jun-17
+L-115-14/0	Ou, Chin Yih		Cetus Corp.	27-Jun-17
+L-115-14/0	Schochetman, Gerald		Cetus Corp.	27-Jun-17
+L-126-16/0	CDC		Evolva Inc.	28-Jun-17

(b) (3) (A), (b) (4), (b) (6)

**NIH Patent Licensing Activities
CDC
July 2017**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License	Inventor Awards July	Net Remaining to IC
								Cumulative Income		
+L-142-13/0	Lewis, Daniel M.	(b)(4);	Advnt Biotechnologies, L.L.C.	1-Jul-17						(b) (3) (A), (b) (4), (b) (6)
+L-142-13/0	Schmechel, Detlef	(b)(6)	Advnt Biotechnologies, L.L.C.	1-Jul-17						
+L-143-14/3	Roehrig, John T.		VecTOR Test Systems	7-Jul-17						
+L-093-05/4	Sanchez, Anthony		Crucell Holland BV	7-Jul-17						
<i>Note: L-093-05/4 split between CDC; NIAID</i>										
+L-158-14/2	Harmon, Maurice		Becton, Dickinson and Co.	14-Jul-17						
+L-158-14/2	Kendal, Alan P.		Becton, Dickinson and Co.	14-Jul-17						
+L-158-14/2	Stockdale, Carol		Becton, Dickinson and Co.	14-Jul-17						
+L-158-14/2	Walls, Harriet		Becton, Dickinson and Co.	14-Jul-17						
+L-158-14/2	Harmon, Maurice		Becton, Dickinson and Co.	14-Jul-17						
+L-158-14/2	Kendal, Alan P.		Becton, Dickinson and Co.	14-Jul-17						
+L-158-14/2	Stockdale, Carol		Becton, Dickinson and Co.	14-Jul-17						
+L-158-14/2	Walls, Harriet		Becton, Dickinson and Co.	14-Jul-17						
+L-033-14/1	Boyer, Anne E.		Focus Diagnostics, Inc.	18-Jul-17						
+L-033-14/1	Brand, Joy A.		Focus Diagnostics, Inc.	18-Jul-17						
+L-033-14/1	Maddison, Shirley E.		Focus Diagnostics, Inc.	18-Jul-17						
+L-033-14/1	Schantz, Peter M.		Focus Diagnostics, Inc.	18-Jul-17						
+L-033-14/1	Tsang, Victor C.		Focus Diagnostics, Inc.	18-Jul-17						
+L-033-14/1	Wilson, Marianna		Focus Diagnostics, Inc.	18-Jul-17						
+L-033-14/1	Boyer, Anne E.		Focus Diagnostics, Inc.	18-Jul-17						
+L-033-14/1	Brand, Joy A.		Focus Diagnostics, Inc.	18-Jul-17						

+L-033-14/1	Maddison, Shirley E.	(b)(4);	Focus Diagnostics, Inc.	18-Jul-17
+L-033-14/1	Schantz, Peter M.	(b)(6)	Focus Diagnostics, Inc.	18-Jul-17
+L-033-14/1	Tsang, Victor C.		Focus Diagnostics, Inc.	18-Jul-17
+L-033-14/1	Wilson, Marianna		Focus Diagnostics, Inc.	18-Jul-17
+L-033-14/1	Boyer, Anne E.		Focus Diagnostics, Inc.	18-Jul-17
+L-033-14/1	Brand, Joy A.		Focus Diagnostics, Inc.	18-Jul-17
+L-033-14/1	Maddison, Shirley E.		Focus Diagnostics, Inc.	18-Jul-17
+L-033-14/1	Schantz, Peter M.		Focus Diagnostics, Inc.	18-Jul-17
+L-033-14/1	Tsang, Victor C.		Focus Diagnostics, Inc.	18-Jul-17
+L-033-14/1	Wilson, Marianna		Focus Diagnostics, Inc.	18-Jul-17
+L-116-15/0	Oberste, M. Steven		University of Georgia Research Foundatio	18-Jul-17
+L-112-14/1	CDC		Biological E. Ltd.	21-Jul-17
+L-198-16/1	Burns, Cara C.	(b)(4);	Codagenix	21-Jul-17
+L-198-16/1	Campagnoli, Raymond	(b)(6)	Codagenix	21-Jul-17
+L-198-16/1	Kew, Olen M.		Codagenix	21-Jul-17
+L-198-16/1	Quay, Jacqueline		Codagenix	21-Jul-17
+L-198-16/1	Shaw, Jing		Codagenix	21-Jul-17
+L-198-16/1	Burns, Cara C.		Codagenix	25-Jul-17
+L-198-16/1	Campagnoli, Raymond		Codagenix	25-Jul-17
+L-198-16/1	Kew, Olen M.		Codagenix	25-Jul-17
+L-198-16/1	Quay, Jacqueline		Codagenix	25-Jul-17
+L-198-16/1	Shaw, Jing		Codagenix	25-Jul-17
+L-198-16/1	Burns, Cara C.		Codagenix	25-Jul-17
+L-198-16/1	Campagnoli, Raymond		Codagenix	25-Jul-17
+L-198-16/1	Kew, Olen M.		Codagenix	25-Jul-17
+L-198-16/1	Quay, Jacqueline		Codagenix	25-Jul-17
+L-198-16/1	Shaw, Jing		Codagenix	25-Jul-17

(b) (3) (A), (b) (4), (b) (6)

**NIH Patent Licensing Activities
CDC
August 2017**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	Patent		Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
					% of Sales/Ann. Min./Exec. Fee	Prosecution Costs				
+L-155-14/0	Freeman, Charlotte	(b)(4);	Millipore Corp.	1-Aug-17						(b) (3) (A), (b) (4), (b) (6)
+L-155-14/0	Pallansch, Mark A.	(b)(6)	Millipore Corp.	1-Aug-17						
+L-160-14/0	Harmon, Maurice		Millipore Corp.	1-Aug-17						
+L-160-14/0	Kendal, Alan P.		Millipore Corp.	1-Aug-17						
+L-160-14/0	Stockdale, Carol		Millipore Corp.	1-Aug-17						
+L-160-14/0	Walls, Harriet		Millipore Corp.	1-Aug-17						
+L-155-14/0	Freeman, Charlotte		Millipore Corp.	1-Aug-17						
+L-155-14/0	Pallansch, Mark A.		Millipore Corp.	1-Aug-17						
+L-150-14/1	Maher, Kaija		EMD Millipore Corporation	1-Aug-17						
+L-150-14/1	Pallansch, Mark A.		EMD Millipore Corporation	1-Aug-17						
+L-005-14/2	Anderson, Larry J.		Trellis Bioscience	2-Aug-17						
+L-005-14/2	Tripp, Ralph A.		Trellis Bioscience	2-Aug-17						
+L-005-14/2		(b) (4)	Trellis Bioscience	2-Aug-17						

+L-141-14/3	Rupprecht, Charles E.	(b)(4);	Millipore Corporation	2-Aug-17
+L-141-14/3	Smith, Jean S.	(b)(6)	Millipore Corporation	2-Aug-17
+L-141-14/3	Yager, Pamela		Millipore Corporation	2-Aug-17
+L-198-16/1	CDC		Codagenix	3-Aug-17
+L-126-13/0	Ashley, Kevin E.	(b)(4);	SKC, Inc.	4-Aug-17
+L-126-13/0	Boeniger, Mark F.	(b)(6)	SKC, Inc.	4-Aug-17
+L-126-13/0	Esswein, Eric J.		SKC, Inc.	4-Aug-17
+L-198-16/1	CDC		Codagenix	9-Aug-17
+L-186-13/5	Chang, Gwong-Jen J.	(b)(4);	Focus Diagnostics, Inc.	15-Aug-17
+L-186-13/5	Roehrig, John T.	(b)(6)	Focus Diagnostics, Inc.	15-Aug-17
+L-220-13/0	Frey, Garrett S.		DASH Connector Technology, Ing.	16-Aug-17
+L-220-13/0	King, Grant W.		DASH Connector Technology, Ing.	16-Aug-17
+L-220-13/0	Miller, Arthur L.		DASH Connector Technology, Ing.	16-Aug-17
+L-220-13/0	Rains, Richard		DASH Connector Technology, Ing.	16-Aug-17
+L-220-13/0	Sunderman, Carl B.		DASH Connector Technology, Ing.	16-Aug-17
+L-225-17/0	Chang, Gwong-Jen J.		InBios International, Inc.	17-Aug-17
+L-225-17/0	Davis, Brent S.		InBios International, Inc.	17-Aug-17
+L-225-17/0	Roehrig, John T.		InBios International, Inc.	17-Aug-17
+L-225-17/0	Thibodeaux, Brett A.		InBios International, Inc.	17-Aug-17
+L-225-17/0	Chang, Gwong-Jen J.		InBios International, Inc.	17-Aug-17
+L-225-17/0	Davis, Brent S.		InBios International, Inc.	17-Aug-17
+L-225-17/0	Roehrig, John T.		InBios International, Inc.	17-Aug-17
+L-225-17/0	Thibodeaux, Brett A.		InBios International, Inc.	17-Aug-17
+L-180-13/3	Chang, Gwong-Jen J.		InBios International, Inc.	17-Aug-17
+L-184-15/2	Rupprecht, Charles E.		Boehringer Ingelheim Vetmedica	22-Aug-17
+L-184-15/2	Wu, Xianfu		Boehringer Ingelheim Vetmedica	22-Aug-17
+L-195-14/0	CDC		CTK Biotech, Inc.	22-Aug-17
+L-184-13/0	Kulkarni, Pramod	(b)(4);	Kanomax Japan, Inc.	28-Aug-17
+L-184-13/0	Qi, Chaolong	(b)(6)	Kanomax Japan, Inc.	28-Aug-17
+L-184-13/0	Kulkarni, Pramod		Kanomax Japan, Inc.	28-Aug-17
+L-184-13/0	Qi, Chaolong		Kanomax Japan, Inc.	28-Aug-17
+L-184-13/0	Kulkarni, Pramod		Kanomax Japan, Inc.	28-Aug-17
+L-184-13/0	Qi, Chaolong		Kanomax Japan, Inc.	28-Aug-17
+L-184-13/0	Kulkarni, Pramod		Kanomax Japan, Inc.	28-Aug-17
+L-184-13/0	Qi, Chaolong		Kanomax Japan, Inc.	28-Aug-17
+L-187-13/0	Kulkarni, Pramod		Kanomax Japan, Inc.	28-Aug-17
+L-187-13/0	Qi, Chaolong		Kanomax Japan, Inc.	28-Aug-17
+L-187-13/0	Kulkarni, Pramod		Kanomax Japan, Inc.	28-Aug-17
+L-187-13/0	Qi, Chaolong		Kanomax Japan, Inc.	28-Aug-17
+L-187-13/0	Kulkarni, Pramod		Kanomax Japan, Inc.	28-Aug-17
+L-187-13/0	Qi, Chaolong		Kanomax Japan, Inc.	28-Aug-17

(b) (3) (A), (b) (4), (b) (6)

+L-187-13/0	Kulkarni, Pramod	(b)(4);	Kanomax Japan, Inc.	28-Aug-17	(b) (3) (A), (b) (4), (b) (6)
+L-187-13/0	Qi, Chaolong	(b)(6)	Kanomax Japan, Inc.	28-Aug-17	
+L-187-13/0	Kulkarni, Pramod		Kanomax Japan, Inc.	28-Aug-17	
+L-187-13/0	Qi, Chaolong		Kanomax Japan, Inc.	28-Aug-17	
+L-184-13/0	Kulkarni, Pramod		Kanomax Japan, Inc.	28-Aug-17	
+L-184-13/0	Qi, Chaolong		Kanomax Japan, Inc.	28-Aug-17	
+L-184-13/0	Kulkarni, Pramod		Kanomax Japan, Inc.	28-Aug-17	
+L-184-13/0	Qi, Chaolong		Kanomax Japan, Inc.	28-Aug-17	
+L-141-14/3	Rupprecht, Charles E.		Millipore Corporation	29-Aug-17	
+L-141-14/3	Smith, Jean S.		Millipore Corporation	29-Aug-17	
+L-141-14/3	Yager, Pamela		Millipore Corporation	29-Aug-17	
+L-070-16/1	CDC		PaxVax, Inc.	29-Aug-17	

Note: L-070-16/1 split between CDC; NIAID

**NIH Patent Licensing Activities
CDC
September 2017**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	September 2017			License Cumulative Income	Inventor Awards September	Net Remaining to IC
					% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income			
+L-180-13/3	Chang, Gwong-Jen J.	(b)(4); (b)(6)	InBios International, Inc.	8-Sep-17					(b) (3) (A), (b) (4), (b) (6)	
*+L-198-13/0	Fields, Patricia		Luminex Corporation	14-Sep-17						
*+L-198-13/0	Leaumont, Collette F.		Luminex Corporation	14-Sep-17						
*+L-198-13/0	McQuiston, John R.		Luminex Corporation	14-Sep-17						
*+L-168-16/0	CDC		Mylan, Inc.	14-Sep-17						
					\$589,920.26	\$108,203.88	\$698,124.14		\$140,534.57	\$557,589.57

* denotes an adjustment to fix a problem from a previous month

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
CIT
April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
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NIH Patent Licensing Activities
CIT
May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
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NIH Patent Licensing Activities
CIT
June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
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NIH Patent Licensing Activities
CIT
July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
+L-111-06/0	Malley, James	(b)(4);	ICAD Inc	11-Jul-17						(b) (3) (A), (b) (4), (b) (6)
+L-111-06/0	Wagner, Lynne M	(b)(6)	ICAD Inc	11-Jul-17						

Note: L-111-06/0 split between CC; CIT; NIDCD

NIH Patent Licensing Activities
CIT
August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
+L-232-14/0	CIT		NanoString Technologies, Inc.	15-Aug-17						(b) (3) (A), (b) (4)
+L-318-01/0	CIT		Arcturus	29-Aug-17						

Note: L-232-14/0 split between CIT; NCI

Note: L-318-01/0 split between CIT; NIBIB; NICHD

NIH Patent Licensing Activities

CIT
September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
+L-232-14/0	CIT		NanoString Technologies, Inc.	11-Sep-17						(b) (3) (A), (b) (4)
<p><i>Note: L-232-14/0 split between CIT; NCI</i></p>										

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
 FDA
 April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
*+L-114-09/0	Falgout, Barry	(b)(4);	Co for Vaccine and Bio Productin	5-Apr-17						(b) (3) (A), (b) (4), (b) (6)
*+L-114-09/0	Markoff, Lewis	(b)(6)	Co for Vaccine and Bio Productin	5-Apr-17						
<i>Note: L-114-09/0 split between FDA; NIAID</i>										
*+L-114-09/0	Falgout, Barry		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Markoff, Lewis		Co for Vaccine and Bio Productin	5-Apr-17						
<i>Note: L-114-09/0 split between FDA; NIAID</i>										
*+L-114-09/0	Falgout, Barry		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Markoff, Lewis		Co for Vaccine and Bio Productin	5-Apr-17						
<i>Note: L-114-09/0 split between FDA; NIAID</i>										
*+L-114-09/0	Falgout, Barry		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Markoff, Lewis		Co for Vaccine and Bio Productin	5-Apr-17						
<i>Note: L-114-09/0 split between FDA; NIAID</i>										
*+L-347-14/0	Donnelly, Raymond P.		Abcam, plc	14-Apr-17						
<i>Note: L-347-14/0 split between FDA; NCI</i>										
*+L-130-15/0	FDA		A'as Inc.	14-Apr-17						
<i>Note: L-130-15/0 split between FDA; NCI</i>										
*+L-080-06/3	FDA		Panacea Biotech Ltd.	24-Apr-17						
<i>Note: L-080-06/3 split between FDA; NIAID</i>										
*+L-080-06/3	Falgout, Barry	(b)(4);	Panacea Biotech Ltd.	25-Apr-17						
*+L-080-06/3	Markoff, Lewis	(b)(6)	Panacea Biotech Ltd.	25-Apr-17						
<i>Note: L-080-06/3 split between FDA; NIAID</i>										

NIH Patent Licensing Activities
 FDA
 May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
*+L-130-15/0	FDA		A'as Inc.	16-May-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-130-15/0 split between FDA; NCI</i>										
+L-217-16/0	Falgout, Barry	(b)(4);	Indian Immunologicals Ltd	18-May-17						
+L-217-16/0	Markoff, Lewis	(b)(6)	Indian Immunologicals Ltd	18-May-17						
<i>Note: L-217-16/0 split between FDA; NIAID</i>										

NIH Patent Licensing Activities
 FDA
 June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
+L-130-15/0	FDA		A'as Inc.	16-Jun-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-130-15/0 split between FDA; NCI</i>										
+L-164-05/1	Obiri, Nicholas	(b)(4);	argepeutics, Inc.	20-Jun-17						
+L-164-05/1	Puri, Raj K	(b)(6)	argepeutics, Inc.	20-Jun-17						
<i>Note: L-164-05/1 split between FDA; NCI</i>										

NIH Patent Licensing Activities
 FDA
 July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
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NIH Patent Licensing Activities
 FDA
 August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
+L-089-07/0	Petricoin, Emanuel	(b)(4);	Theranostics Health	11-Aug-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-089-07/0 split between FDA; NCI</i>										
+L-130-15/0	FDA		A'as Inc.	18-Aug-17						
<i>Note: L-130-15/0 split between FDA; NCI</i>										

NIH Patent Licensing Activities
 FDA
 September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
+L-035-13/0	FDA		GlaxoSmithKline	12-Sep-17						(b) (3) (A), (b) (4)
<i>Note: L-035-13/0 split between FDA; NIAID</i>										

\$19,347.85	\$0.00	\$19,347.85	\$4,628.99	\$14,718.86
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* denotes an adjustment to fix a problem from a previous month
 + denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NCATS
April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License	Inventor Awards April	Net Remaining to IC
								Cumulative Income		
*+L-116-13/0	Auld, Douglas S.	(b)(4);	EMD Millipore Corp.	4-Apr-17						(b) (3) (A), (b) (4), (b) (6)
*+L-116-13/0	Boxer, Matthew	(b)(6)	EMD Millipore Corp.	4-Apr-17						
*+L-116-13/0	Inglese, James		EMD Millipore Corp.	4-Apr-17						
*+L-116-13/0	Jiang, Jian-kang		EMD Millipore Corp.	4-Apr-17						
*+L-116-13/0	Shen, Min		EMD Millipore Corp.	4-Apr-17						
*+L-116-13/0	Skoumbourdis, Amanda P.		EMD Millipore Corp.	4-Apr-17						
*+L-116-13/0	Thomas, Craig J.		EMD Millipore Corp.	4-Apr-17						
<i>Note: L-116-13/0 split between NCATS; NHGRI</i>										
+L-057-15/0	Austin, Christopher P.		Vtesse, Inc	25-Apr-17						
+L-057-15/0	Liu, Ke		Vtesse, Inc	25-Apr-17						
+L-057-15/0	Marugan, Juan J.		Vtesse, Inc	25-Apr-17						
+L-057-15/0	McKew, John C.		Vtesse, Inc	25-Apr-17						
+L-057-15/0	Southall, Noel T.		Vtesse, Inc	25-Apr-17						
+L-057-15/0	Swaroop, Manju		Vtesse, Inc	25-Apr-17						
+L-057-15/0	Xiao, Jingbo		Vtesse, Inc	25-Apr-17						
+L-057-15/0	Xu, Miao		Vtesse, Inc	25-Apr-17						
+L-057-15/0	Zheng, Wei		Vtesse, Inc	25-Apr-17						

NIH Patent Licensing Activities
NCATS
May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License	Inventor Awards May	Net Remaining to IC
								Cumulative Income		

NIH Patent Licensing Activities
NCATS
June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License	Inventor Awards June	Net Remaining to IC
								Cumulative Income		
+L-025-17/0	Morris, Patrick	(b)(4);	ocris Bioscience	5-Jun-17						(b) (3) (A), (b) (4), (b) (6)
+L-025-17/0	Thomas, Craig J.	(b)(6)	ocris Bioscience	5-Jun-17						
<i>Note: L-025-17/0 split between NCATS; NIA; NIMH</i>										

NIH Patent Licensing Activities
NCATS
July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
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NIH Patent Licensing Activities
NCATS
August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC	
+L-025-17/0	Morris, Patrick	(b)(4);	Tocris Bioscience	1-Aug-17						(b) (3) (A), (b) (4), (b) (6)	
+L-025-17/0	Thomas, Craig J.	(b)(6)	Tocris Bioscience	1-Aug-17							
<i>Note: L-025-17/0 split between NCATS; NIA; NIMH</i>											
+L-025-17/0	Morris, Patrick		Tocris Bioscience	1-Aug-17							
+L-025-17/0	Thomas, Craig J.		Tocris Bioscience	1-Aug-17							
<i>Note: L-025-17/0 split between NCATS; NIA; NIMH</i>											

NIH Patent Licensing Activities
NCATS
September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
+L-032-12/0	NCATS		Agios Pharmaceuticals Inc	5-Sep-17						(b) (3) (A), (b) (4)
<i>Note: L-032-12/0 split between NCATS; NHGRI</i>										

\$3,001,825.94	\$10,838.50	\$3,012,664.44	\$747,501.35	\$2,265,163.09
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* denotes an adjustment to fix a problem from a previous month

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
 NCI
 April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License	Inventor Awards April	Net Remaining to IC
								Cumulative Income		
*+L-109-13/0	Allegra, Carmen	(b)(4);	EMD Millipore Corp.	4-Apr-17						(b) (3) (A), (b) (4), (b) (6)
*+L-109-13/0	Chabner, Bruce A	(b)(6)	EMD Millipore Corp.	4-Apr-17						
*+L-109-13/0	Johnston, Patrick G.		EMD Millipore Corp.	4-Apr-17						
*+L-109-13/0	Liang, Chi-Ming		EMD Millipore Corp.	4-Apr-17						
*+L-049-01/3	Bustin, Michael		Upstate	4-Apr-17						
*+L-144-00/1	Bonner, William M		Upstate Biotechnology	4-Apr-17						
*+L-144-00/1	Rogakou, Efthimia P		Upstate Biotechnology	4-Apr-17						
*+L-092-11/0	Giardina, Steven		EMD Chemicals Inc.	4-Apr-17						
*+L-092-11/0	Longo, Dan L		EMD Chemicals Inc.	4-Apr-17						
*+L-092-11/0	Varesio, Luigi		EMD Chemicals Inc.	4-Apr-17						
*+L-100-17/0	Bonomi, Carrie A.		Genmab, B.V.	4-Apr-17						
*+L-100-17/0	Borgel, Suzanne D.		Genmab, B.V.	4-Apr-17						
*+L-100-17/0	Dougherty, Kelly		Genmab, B.V.	4-Apr-17						
*+L-100-17/0	Hollingshead, Melinda G.		Genmab, B.V.	4-Apr-17						
*+L-100-17/0	Bonomi, Carrie A.		Genmab, B.V.	4-Apr-17						
*+L-100-17/0	Borgel, Suzanne D.		Genmab, B.V.	4-Apr-17						
*+L-100-17/0	Dougherty, Kelly		Genmab, B.V.	4-Apr-17						
*+L-100-17/0	Hollingshead, Melinda G.		Genmab, B.V.	4-Apr-17						
*+L-154-17/0	Bonomi, Carrie A.		Agios Pharmaceuticals	4-Apr-17						
*+L-154-17/0	Borgel, Suzanne D.		Agios Pharmaceuticals	4-Apr-17						
*+L-154-17/0	Dougherty, Kelly		Agios Pharmaceuticals	4-Apr-17						
*+L-154-17/0	Hollingshead, Melinda G.		Agios Pharmaceuticals	4-Apr-17						
*+L-174-16/0	Costantino, Nina		BP Technology Ventures Inc.	6-Apr-17						
*+L-174-16/0	Court, Donald		BP Technology Ventures Inc.	6-Apr-17						
*+L-174-16/0	Datta, Simanti		BP Technology Ventures Inc.	6-Apr-17						
*+L-187-95/2	Yoshimura, Teizo		BD BIOSCIENCES	11-Apr-17						
*+L-080-93/2	Hathcock, Karen		BD Biosciences - BD PharMingen, Inc.	11-Apr-17						
*+L-080-93/2	Hodes, Richard		BD Biosciences - BD PharMingen, Inc.	11-Apr-17						
*+L-080-93/2	Laszlo, Gloria		BD Biosciences - BD PharMingen, Inc.	11-Apr-17						
*+L-266-00/0	Aaronson, Stuart A.		PeproTech, Inc.	11-Apr-17						
*+L-266-00/0	Finch, Paul W.		PeproTech, Inc.	11-Apr-17						
*+L-266-00/0	Rubin, Jeffrey S		PeproTech, Inc.	11-Apr-17						
*+L-052-98/1	NCI		Introgen Therapeutics, Inc.	11-Apr-17						
*+L-052-98/1	Pavlikis, George N	(b)(4);	ntrogen Therapeutics, Inc.	11-Apr-17						
*+L-052-98/1	Smyth-Templeton, Nancy	(b)(6)	ntrogen Therapeutics, Inc.	11-Apr-17						
*+L-187-95/2	Yoshimura, Teizo		BD BIOSCIENCES	11-Apr-17						
*+L-006-09/1	McVicar, Daniel W		Novonordisk A/S	11-Apr-17						
*+L-006-09/1	Washington, Anthony V		Novonordisk A/S	11-Apr-17						

Note: L-006-09/1 split between NCI; NHGRI

*+L-009-05/1	Fitzgerald, David J.	(b)(4);	Snaofi Pasteur	12-Apr-17
*+L-009-05/1	Pastan, Ira H	(b)(6)	Snaofi Pasteur	12-Apr-17
Note: L-009-05/1 split between NCI; NICHD; NIDDK				
*+L-102-13/0	Hathcock, Karen		EXBIO Praha	13-Apr-17
*+L-102-13/0	Hodes, Richard		EXBIO Praha	13-Apr-17
*+L-102-13/0	Laszlo, Gloria		EXBIO Praha	13-Apr-17
Note: L-102-13/0 split between NCI; NIA				
*+L-092-13/0	Potter, (b) (6) Michael		EXBIO Praha	13-Apr-17
*+L-137-10/0	Potter, (b) (6) Michael		Exbio	13-Apr-17
*+L-003-12/0	Potter, (b) (6) Michael		Exbio Praha AS	13-Apr-17
*+L-050-17/0	Bonomi, Carrie A.		Pfizer Global Research and Development	13-Apr-17
*+L-050-17/0	Dougherty, Kelly		Pfizer Global Research and Development	13-Apr-17
*+L-050-17/0	Hollingshead, Melinda G.		Pfizer Global Research and Development	13-Apr-17
*+L-093-10/1	Chang, Nancy T.		BioLytical Labs	13-Apr-17
*+L-093-10/1	Crowl, Robert		BioLytical Labs	13-Apr-17
+L-093-10/1	(b) (4)		BioLytical Labs	13-Apr-17
*+L-093-10/1	Reddy, E. Premkumar.		BioLytical Labs	13-Apr-17
*+L-093-10/1	Shaw, George M		BioLytical Labs	13-Apr-17
*+L-347-14/0	Muchmore, Brian P.		Abcam, plc	14-Apr-17
*+L-347-14/0	O'Brien, Thomas R		Abcam, plc	14-Apr-17
*+L-347-14/0	Porter-Gill, Patricia A.		Abcam, plc	14-Apr-17
*+L-347-14/0	Prokunina-Olsson, Ludmila		Abcam, plc	14-Apr-17
Note: L-347-14/0 split between FDA; NCI				
*+L-075-13/0	Franchini, Genoveffa		Wuxi Apptec Inc	14-Apr-17
*+L-075-13/0	Kalyanaraman, Vaniambadi S.		Wuxi Apptec Inc	14-Apr-17
*+L-075-13/0	Markham, Phillip D.		Wuxi Apptec Inc	14-Apr-17
*+L-075-13/0	Salahuddin, Syed Z.		Wuxi Apptec Inc	14-Apr-17
*+L-075-13/0	Franchini, Genoveffa		Wuxi Apptec Inc	14-Apr-17
*+L-075-13/0	Kalyanaraman, Vaniambadi S.		Wuxi Apptec Inc	14-Apr-17
*+L-075-13/0	Markham, Phillip D.		Wuxi Apptec Inc	14-Apr-17
*+L-075-13/0	Salahuddin, Syed Z.		Wuxi Apptec Inc	14-Apr-17
*+L-037-17/1	Esposito, Dominic		KeraFAST	14-Apr-17
*+L-037-17/1	Hopkins, Ralph F.		KeraFAST	14-Apr-17
*+L-130-15/0	NCI		A'as Inc.	14-Apr-17
Note: L-130-15/0 split between FDA; NCI				
*+L-154-17/0	Bonomi, Carrie A.	(b)(4);	Agios Pharmaceuticals	18-Apr-17
*+L-154-17/0	Borgel, Suzanne D.	(b)(6)	Agios Pharmaceuticals	18-Apr-17
*+L-154-17/0	Dougherty, Kelly		Agios Pharmaceuticals	18-Apr-17
*+L-154-17/0	Hollingshead, Melinda G.		Agios Pharmaceuticals	18-Apr-17
*+L-119-17/0	Esposito, Dominic		Boehringer Ingelheim International GmbH	20-Apr-17
*+L-119-17/0	Gillette, William K.		Boehringer Ingelheim International GmbH	20-Apr-17
*+L-119-17/0	Grose, Carissa L.		Boehringer Ingelheim International GmbH	20-Apr-17
*+L-119-17/0	Stephens, Robert M.		Boehringer Ingelheim International GmbH	20-Apr-17

(b) (3) (A), (b) (4), (b) (6)

*+L-202-17/0	Bonomi, Carrie A.	(b)(4);	Nativis, Inc.	20-Apr-17
*+L-202-17/0	Borgel, Suzanne D.	(b)(6)	Nativis, Inc.	20-Apr-17
*+L-202-17/0	Dougherty, Kelly		Nativis, Inc.	20-Apr-17
*+L-202-17/0	Hollingshead, Melinda G.		Nativis, Inc.	20-Apr-17
*+L-162-17/0	Bonomi, Carrie A.		Daiichi Sankyo Co., Ltd.	25-Apr-17
*+L-162-17/0	Dougherty, Kelly		Daiichi Sankyo Co., Ltd.	25-Apr-17
*+L-162-17/0	Hollingshead, Melinda G.		Daiichi Sankyo Co., Ltd.	25-Apr-17
*+L-110-12/1	NCI		ERYtech Pharma	26-Apr-17
*+L-158-17/0	Wang, Xiaohong	(b)(4);	Mokobio Life Science Group, Inc.	27-Apr-17
*+L-158-17/0	Xu, Junfen	(b)(6)	Mokobio Life Science Group, Inc.	27-Apr-17
*+L-158-17/0	Zheng, Zhi-Min g (Thomas)		Mokobio Life Science Group, Inc.	27-Apr-17
<i>Note: L-158-17/0 split between NCI; NHLBI</i>				
*+L-158-17/0	NCI		Mokobio Life Science Group, Inc.	27-Apr-17
<i>Note: L-158-17/0 split between NCI; NHLBI</i>				

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities

NCI

May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License	Inventor Awards May	Net Remaining to IC
								Cumulative Income		
+L-010-06/1	Potter, (b) (6) Michael	(b)(4);	Dako Denmark A/S	1-May-17						(b) (3) (A), (b) (4), (b) (6)
+L-122-17/0	Choyke, Peter L	(b)(6)	Koninklijke Philips N.V.	1-May-17						
+L-122-17/0	Pinto, Peter A		Koninklijke Philips N.V.	1-May-17						
+L-122-17/0	Turkbey, Ismail B.		Koninklijke Philips N.V.	1-May-17						
<i>Note: L-122-17/0 split between CC; NCI</i>										
+L-050-05/0	Aaronson, Stuart A.		Research & Diagnostic Systems Inc	1-May-17						
+L-050-05/0	Finch, Paul W.		Research & Diagnostic Systems Inc	1-May-17						
+L-050-05/0	He, Xi		Research & Diagnostic Systems Inc	1-May-17						
+L-050-05/0	Rubin, Jeffrey S		Research & Diagnostic Systems Inc	1-May-17						
+L-171-17/0	Bonomi, Carrie A.		VL41 Inc.	1-May-17						
+L-171-17/0	Borgel, Suzanne D.		VL41 Inc.	1-May-17						
+L-171-17/0	Dougherty, Kelly		VL41 Inc.	1-May-17						
+L-171-17/0	Hollingshead, Melinda G.		VL41 Inc.	1-May-17						
+L-171-17/0	Bonomi, Carrie A.		VL41 Inc.	1-May-17						
+L-171-17/0	Borgel, Suzanne D.		VL41 Inc.	1-May-17						
+L-171-17/0	Dougherty, Kelly		VL41 Inc.	1-May-17						
+L-171-17/0	Hollingshead, Melinda G.		VL41 Inc.	1-May-17						
+L-064-11/0	Barry, Todd		Eptiomics Inc	2-May-17						
+L-064-11/0	Rosenwald, Andreas		Eptiomics Inc	2-May-17						
+L-064-11/0	Staudt, Louis M		Eptiomics Inc	2-May-17						
+L-064-11/0	Wiestner, Adrian		Eptiomics Inc	2-May-17						
+L-064-11/0	Wilson, Wyndham H.		Eptiomics Inc	2-May-17						
+L-134-17/0	(b) (4)		Duke University	3-May-17						
+L-134-17/0	Broadt, Trevor L.		Duke University	3-May-17						
+L-127-11/2	NCI		BN ImmunoTherapeutics	4-May-17						

+L-197-94/3	Cheng, Sheue-Yann	(b)(4); (b)(6)	Santa Cruz Biotechnology, Inc.	8-May-17
+L-131-02/1	Colcher, David		Santa Cruz Biotechnology Inc	8-May-17
+L-131-02/1	Kashmiri, (b) (6) Syed		Santa Cruz Biotechnology Inc	8-May-17
+L-131-02/1	Schlom, Jeffrey		Santa Cruz Biotechnology Inc	8-May-17
+L-131-02/1	Shu, Liming		Santa Cruz Biotechnology Inc	8-May-17
+L-173-05/2	Allegra, Carmen		Santa Cruz Biotechnology, Inc.	8-May-17
+L-173-05/2	Chabner, Bruce A		Santa Cruz Biotechnology, Inc.	8-May-17
+L-173-05/2	Johnston, Patrick G.		Santa Cruz Biotechnology, Inc.	8-May-17
+L-173-05/2	Liang, Chi-Ming		Santa Cruz Biotechnology, Inc.	8-May-17
+L-113-06/1	Kawakami, Yutaka		Santa Cruz Biotechnology Inc	8-May-17
+L-113-06/1	Rosenberg, Steven A.		Santa Cruz Biotechnology Inc	8-May-17
+L-031-07/1	Aaronson, Stuart A.		Santa Cruz Biotechnology	8-May-17
+L-031-07/1	Lacal, Juan C.		Santa Cruz Biotechnology	8-May-17
+L-004-08/0	Li, Chou Chi		Santa Cruz Biotechnology Inc	8-May-17
+L-039-08/1	Hathcock, Karen		Santa Cruz Biotechnology Inc	8-May-17
+L-039-08/1	Hodes, Richard		Santa Cruz Biotechnology Inc	8-May-17
+L-039-08/1	Laszlo, Gloria		Santa Cruz Biotechnology Inc	8-May-17
+L-109-13/0	Allegra, Carmen		EMD Millipore Corp.	8-May-17
+L-109-13/0	Chabner, Bruce A		EMD Millipore Corp.	8-May-17
+L-109-13/0	Johnston, Patrick G.		EMD Millipore Corp.	8-May-17
+L-109-13/0	Liang, Chi-Ming		EMD Millipore Corp.	8-May-17
+L-155-17/0	Dimitrov, Dimiter S.		BSV Biosciences, Inc.	8-May-17
+L-155-17/0	Zhu, Zhongyu		BSV Biosciences, Inc.	8-May-17
+L-066-07/0	Vishnuvajjala, B. Rao		Childrens Hospital of Los Angeles	8-May-17
+L-138-05/2	Chang, Kai		Santa Cruz Biotechnology Inc	8-May-17
+L-138-05/2	Pastan, Ira H		Santa Cruz Biotechnology Inc	8-May-17
+L-138-05/2	Willingham, Mark C.		Santa Cruz Biotechnology Inc	8-May-17
+L-242-02/2	Kawakami, Yutaka		Biocare Medical, LLC	15-May-17
+L-242-02/2	Rosenberg, Steven A.		Biocare Medical, LLC	15-May-17
+L-203-17/0	Bonomi, Carrie A.		Momenta Pharmaceuticals, Inc.	16-May-17
+L-203-17/0	Borgel, Suzanne D.		Momenta Pharmaceuticals, Inc.	16-May-17
+L-203-17/0	Dougherty, Kelly		Momenta Pharmaceuticals, Inc.	16-May-17
+L-203-17/0	Hollingshead, Melinda G.		Momenta Pharmaceuticals, Inc.	16-May-17
+L-203-17/0	Bonomi, Carrie A.		Momenta Pharmaceuticals, Inc.	16-May-17
+L-203-17/0	Borgel, Suzanne D.		Momenta Pharmaceuticals, Inc.	16-May-17
+L-203-17/0	Dougherty, Kelly		Momenta Pharmaceuticals, Inc.	16-May-17
+L-203-17/0	Hollingshead, Melinda G.		Momenta Pharmaceuticals, Inc.	16-May-17
+L-063-11/0	Aaronson, Stuart A.		Eptiomcs Inc	16-May-17
+L-063-11/0	King, Charles R.		Eptiomcs Inc	16-May-17
+L-063-11/0	Kraus (b) (6) Matthias		Eptiomcs Inc	16-May-17
+L-045-04/1	Guedez, Liliana		Trevigen, Inc.	16-May-17
+L-045-04/1	Stetler-Stevenson, William G.		Trevigen, Inc.	16-May-17

Note: L-045-04/1 split between NCI; NIBIB

(b) (3) (A), (b) (4), (b) (6)

+L-130-15/0	NCI	A'as Inc.	16-May-17
<i>Note: L-130-15/0 split between FDA; NCI</i>			
+L-165-99/1	Copeland, Terry D.	(b)(4);	Trinity Biotech
+L-165-99/1	Crowl, Robert	(b)(6)	Trinity Biotech
+L-165-99/1	(b) (4)		Trinity Biotech
+L-165-99/1	Medabalimi, John L.		Trinity Biotech
+L-165-99/1	Mora, (b) (6) Peter T.		Trinity Biotech
+L-165-99/1	Oroszlan, Stephen		Trinity Biotech
+L-165-99/1	Popovic, Mikulas		Trinity Biotech
+L-165-99/1	Reddy, E. Premkumar.		Trinity Biotech
+L-165-99/1	Sarnagadharan, Mangalasseril		Trinity Biotech
+L-165-99/1	Shaw, George M		Trinity Biotech
+L-278-16/0	Gazdar, Adi F.		Eurofins Cerep
+L-278-16/0	Johnson, Bruce E		Eurofins Cerep
+L-278-16/0	Kaye, Frederic J		Eurofins Cerep
+L-278-16/0	Khleif, Samir N.		Eurofins Cerep
+L-278-16/0	Minna, John D.		Eurofins Cerep
+L-278-16/0	Oie, Herbert K		Eurofins Cerep
+L-278-16/0	Pass, Harvey I.		Eurofins Cerep
+L-018-12/1	Aaronson, Stuart A.		DNAtrix, Inc.
+L-018-12/1	(b) (6) Donald J. Giard		DNAtrix, Inc.
+L-018-12/1	Parks, Wade P		DNAtrix, Inc.
+L-018-12/1	Aaronson, Stuart A.		DNAtrix, Inc.
+L-018-12/1	(b) (6) Donald J. Giard		DNAtrix, Inc.
+L-018-12/1	Parks, Wade P		DNAtrix, Inc.
+L-229-17/0	Bonomi, Carrie A.		Molecular Imaging, Inc.
+L-229-17/0	Borgel, Suzanne D.		Molecular Imaging, Inc.
+L-229-17/0	Dougherty, Kelly		Molecular Imaging, Inc.
+L-229-17/0	Hollingshead, Melinda G.		Molecular Imaging, Inc.
+L-229-17/0	Bonomi, Carrie A.		Molecular Imaging, Inc.
+L-229-17/0	Borgel, Suzanne D.		Molecular Imaging, Inc.
+L-229-17/0	Dougherty, Kelly		Molecular Imaging, Inc.
+L-229-17/0	Hollingshead, Melinda G.		Molecular Imaging, Inc.
+L-229-17/0	Bonomi, Carrie A.		Molecular Imaging, Inc.
+L-229-17/0	Borgel, Suzanne D.		Molecular Imaging, Inc.
+L-229-17/0	Dougherty, Kelly		Molecular Imaging, Inc.
+L-229-17/0	Hollingshead, Melinda G.		Molecular Imaging, Inc.
+L-087-17/0	Copeland, Neal		AdCure Biotechnologies, LLC
+L-087-17/0	Costantino, Nina		AdCure Biotechnologies, LLC
+L-087-17/0	Court, Donald		AdCure Biotechnologies, LLC
+L-087-17/0	Ellis, Hilary Moyed		AdCure Biotechnologies, LLC
+L-087-17/0	Jenkins Copeland, Nancy A		AdCure Biotechnologies, LLC
+L-087-17/0	Lee, E-Chiang		AdCure Biotechnologies, LLC
+L-087-17/0	Sharan, Shyam K		AdCure Biotechnologies, LLC
+L-087-17/0	Swaminathan, Srividya		AdCure Biotechnologies, LLC
+L-087-17/0	Warming, Soren		AdCure Biotechnologies, LLC
+L-087-17/0	Yu, Daiguan		AdCure Biotechnologies, LLC
+L-227-17/0	Bonomi, Carrie A.		Seres Therapeutics, Inc.
+L-227-17/0	Borgel, Suzanne D.		Seres Therapeutics, Inc.

(b) (3) (A), (b) (4), (b) (6)

+L-227-17/0	Dougherty, Kelly	(b)(4);	Seres Therapeutics, Inc.	23-May-17	(b) (3) (A), (b) (4), (b) (6)
+L-227-17/0	Hollingshead, Melinda G.	(b)(6)	Seres Therapeutics, Inc.	23-May-17	
+L-227-17/0	Bonomi, Carrie A.		Seres Therapeutics, Inc.	23-May-17	
+L-227-17/0	Borgel, Suzanne D.		Seres Therapeutics, Inc.	23-May-17	
+L-227-17/0	Dougherty, Kelly		Seres Therapeutics, Inc.	23-May-17	
+L-227-17/0	Hollingshead, Melinda G.		Seres Therapeutics, Inc.	23-May-17	
+L-093-17/0	Gazdar, Adi F.		ADC Therapeutics SA	23-May-17	
+L-093-17/0	Minna, John D.		ADC Therapeutics SA	23-May-17	
+L-093-17/0	Gazdar, Adi F.		ADC Therapeutics SA	23-May-17	
+L-093-17/0	Minna, John D.		ADC Therapeutics SA	23-May-17	
+L-149-08/2	NCI		BN Immuno Therapeutics	24-May-17	
+L-268-16/0	Feldman, Steven A	(b)(4);	Kite Pharma, Inc.	26-May-17	
+L-268-16/0	Rosenberg, Steven A.	(b)(6)	Kite Pharma, Inc.	26-May-17	
+L-273-14/0	Chang, Nancy T.		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Crowl, Robert		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Fisher, Amanda G.		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Hahn, Beatrice		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Medabalimi, John L.		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Mora, (b) (6) Peter T.		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Oroszlan, Stephen		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Popovic, Mikulas		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Reddy, E. Premkumar.		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Sarngadharan, Mangalasseril		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Shaw, George M		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Chang, Nancy T.		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Crowl, Robert		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Fisher, Amanda G.		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Hahn, Beatrice		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Medabalimi, John L.		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Mora, (b) (6) Peter T.		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Oroszlan, Stephen		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Popovic, Mikulas		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Reddy, E. Premkumar.		Novartis Vaccines Diagnostics	26-May-17	
+L-273-14/0	Sarngadharan, Mangalasseril		Novartis Vaccines Diagnostics	26-May-17	
+L-242-17/0	Schlom, Jeffrey		Amal Therapeutics	29-May-17	
+L-057-17/0	Bonomi, Carrie A.		ImmuneXcite Inc.	31-May-17	
+L-057-17/0	Borgel, Suzanne D.		ImmuneXcite Inc.	31-May-17	
+L-057-17/0	Dougherty, Kelly		ImmuneXcite Inc.	31-May-17	
+L-057-17/0	Hollingshead, Melinda G.		ImmuneXcite Inc.	31-May-17	

NIH Patent Licensing Activities

NCI

June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
+L-083-11/0	Waldmann, Thomas A.	(b)(4);	Abbott Biotherapeutics Corp.	1-Jun-17						(b) (3) (A), (b) (4), (b) (6)

Note: L-083-11/0 split between NCI; NINDS

+L-021-17/0	Austin, Faye C.	(b)(4);	BBI Solutions	1-Jun-17
+L-021-17/0	Colcher, David	(b)(6)	BBI Solutions	1-Jun-17
+L-021-17/0	Hand, Patricia H		BBI Solutions	1-Jun-17
+L-021-17/0	Nuti, Marianna		BBI Solutions	1-Jun-17
+L-021-17/0	Schlom, Jeffrey		BBI Solutions	1-Jun-17
+L-236-17/0	Greene, Warner C.		Absolute Antibody Ltd.	1-Jun-17
+L-236-17/0	Leonard, Warren J.		Absolute Antibody Ltd.	1-Jun-17
+L-236-17/0	Nelson, David L.		Absolute Antibody Ltd.	1-Jun-17
+L-236-17/0	Rubin, Laurence A.		Absolute Antibody Ltd.	1-Jun-17
+L-236-17/0	Yarchoan, Robert		Absolute Antibody Ltd.	1-Jun-17
<i>Note: L-236-17/0 split between NCI; NINDS</i>				
+L-242-17/0	Schlom, Jeffrey	(b)(4);	Amal Therapeutics	1-Jun-17
		(b)(6)		
+L-087-17/0	Copeland, Neal		AdCure Biotechnologies, LLC	1-Jun-17
+L-087-17/0	Costantino, Nina		AdCure Biotechnologies, LLC	1-Jun-17
+L-087-17/0	Court, Donald		AdCure Biotechnologies, LLC	1-Jun-17
+L-087-17/0	Ellis, Hilary Moyed		AdCure Biotechnologies, LLC	1-Jun-17
+L-087-17/0	Jenkins Copeland, Nancy A		AdCure Biotechnologies, LLC	1-Jun-17
+L-087-17/0	Lee, E-Chiang		AdCure Biotechnologies, LLC	1-Jun-17
+L-087-17/0	Sharan, Shyam K		AdCure Biotechnologies, LLC	1-Jun-17
+L-087-17/0	Swaminathan, Srividya		AdCure Biotechnologies, LLC	1-Jun-17
+L-087-17/0	Warming, Soren		AdCure Biotechnologies, LLC	1-Jun-17
+L-087-17/0	Yu, Daiguan		AdCure Biotechnologies, LLC	1-Jun-17
+L-011-06/0	NCI		Dako Denmark A/S	5-Jun-17
+L-239-15/0	Gazdar, Adi F.	(b)(4);	Dako North America	5-Jun-17
+L-239-15/0	Johnson, Bruce E	(b)(6)	Dako North America	5-Jun-17
+L-239-15/0	Kaye, Frederic J		Dako North America	5-Jun-17
+L-239-15/0	Khleif, Samir N.		Dako North America	5-Jun-17
+L-239-15/0	Minna, John D.		Dako North America	5-Jun-17
+L-239-15/0	Oie, Herbert K		Dako North America	5-Jun-17
+L-239-15/0	Pass, Harvey I.		Dako North America	5-Jun-17
+L-239-15/0	Gazdar, Adi F.		Dako North America	5-Jun-17
+L-239-15/0	Johnson, Bruce E		Dako North America	5-Jun-17
+L-239-15/0	Kaye, Frederic J		Dako North America	5-Jun-17
+L-239-15/0	Khleif, Samir N.		Dako North America	5-Jun-17
+L-239-15/0	Minna, John D.		Dako North America	5-Jun-17
+L-239-15/0	Oie, Herbert K		Dako North America	5-Jun-17
+L-239-15/0	Pass, Harvey I.		Dako North America	5-Jun-17
+L-011-06/0	Barry, Todd		Dako Denmark A/S	5-Jun-17
+L-011-06/0	Rosenwald, Andreas		Dako Denmark A/S	5-Jun-17
+L-011-06/0	Staudt, Louis M		Dako Denmark A/S	5-Jun-17
+L-011-06/0	Wiestner, Adrian		Dako Denmark A/S	5-Jun-17
+L-011-06/0	Wilson, Wyndham H.		Dako Denmark A/S	5-Jun-17
+L-074-10/0	Copeland, Neal		Codexis Inc	6-Jun-17
+L-074-10/0	Costantino, Nina		Codexis Inc	6-Jun-17
+L-074-10/0	Court, Donald		Codexis Inc	6-Jun-17
+L-074-10/0	Datta, Simanti		Codexis Inc	6-Jun-17
+L-074-10/0	Ellis, Hilary Moyed		Codexis Inc	6-Jun-17
+L-074-10/0	Jenkins Copeland, Nancy A		Codexis Inc	6-Jun-17
+L-074-10/0	Lee, E-Chiang		Codexis Inc	6-Jun-17
+L-074-10/0	Liu, Pentao		Codexis Inc	6-Jun-17

+L-074-10/0	Sawitzke, James	(b)(4);	Codexis Inc	6-Jun-17
+L-074-10/0	Sharan, Shyam K	(b)(6)	Codexis Inc	6-Jun-17
+L-074-10/0	Swaminathan, Srividya		Codexis Inc	6-Jun-17
+L-074-10/0	Yu, Daiguan		Codexis Inc	6-Jun-17
+L-059-16/1	Hrabie, Joseph A		Fyber, LLC	6-Jun-17
+L-059-16/1	Keefer, Larry K		Fyber, LLC	6-Jun-17
+L-075-16/0	NCI		Lentigen Corporation	9-Jun-17
+L-154-97/2	Mason, Llewellyn H.	(b)(4);	PharMingen, Inc.	12-Jun-17
+L-154-97/2	Ortaldo, John R.	(b)(6)	PharMingen, Inc.	12-Jun-17
+L-097-00/2	Austin, Faye C.		BD Biosciences, PharMingen	12-Jun-17
+L-097-00/2	Colcher, David		BD Biosciences, PharMingen	12-Jun-17
+L-097-00/2	Hand, Patricia H		BD Biosciences, PharMingen	12-Jun-17
+L-097-00/2	Nuti, Marianna		BD Biosciences, PharMingen	12-Jun-17
+L-097-00/2	Schlom, Jeffrey		BD Biosciences, PharMingen	12-Jun-17
+L-247-17/0	Bagni- Beyer, Rachel K.		Revolution Medicines, Inc.	12-Jun-17
+L-247-17/0	(b) (4)		Revolution Medicines, Inc.	12-Jun-17
+L-247-17/0	Holderfield, Matthew T.		Revolution Medicines, Inc.	12-Jun-17
+L-247-17/0	Soppet, Dan		Revolution Medicines, Inc.	12-Jun-17
+L-192-17/0	Lee, Choonsik		Bayer Healthcare LLC	13-Jun-17
+L-223-17/0	Beers, Richard		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Chang, Kai		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Chowdhury, Partha S		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Eberle, Jaime A		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Fitzgerald, David J.		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Kreitman, Robert J		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Lee, Byungkook		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Liu, Wenhai		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Mazor, Ronit		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Nagata, Satoshi		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Onda, Masanori		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Pastan, Ira H		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Vassall, Aaron		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Weldon, John		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Beers, Richard		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Chang, Kai		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Chowdhury, Partha S		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Eberle, Jaime A		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Fitzgerald, David J.		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Kreitman, Robert J		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Lee, Byungkook		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Liu, Wenhai		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Mazor, Ronit		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Nagata, Satoshi		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Onda, Masanori		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Pastan, Ira H		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Vassall, Aaron		Selecta Biosciences, Inc.	13-Jun-17
+L-223-17/0	Weldon, John		Selecta Biosciences, Inc.	13-Jun-17
+L-220-01/0	(b) (4)		Tibotec Pharm Ltd.	14-Jun-17
+L-220-01/0	(b) (4)		Tibotec Pharm Ltd.	14-Jun-17

(b) (3) (A), (b) (4), (b) (6)

+L-234-17/0	Bonomi, Carrie A.	(b)(4);	Curis, Inc	14-Jun-17
+L-234-17/0	Dougherty, Kelly	(b)(6)	Curis, Inc	14-Jun-17
+L-234-17/0	Hollingshead, Melinda G.		Curis, Inc	14-Jun-17
+L-234-17/0	Bonomi, Carrie A.		Curis, Inc	14-Jun-17
+L-234-17/0	Dougherty, Kelly		Curis, Inc	14-Jun-17
+L-234-17/0	Hollingshead, Melinda G.		Curis, Inc	14-Jun-17
+L-130-15/0	NCI		A's Inc.	16-Jun-17
<i>Note: L-130-15/0 split between FDA; NCI</i>				
+L-096-09/0	Crowl, Robert	(b)(4);	Ortho-Clinical Diagnostics	19-Jun-17
+L-096-09/0	(b) (4)	(b)(6)	Ortho-Clinical Diagnostics	19-Jun-17
+L-096-09/0	Reddy, E. Premkumar.		Ortho-Clinical Diagnostics	19-Jun-17
+L-138-15/0	NCI		Antibodies Solutions LLC	19-Jun-17
+L-161-04/1	(b) (4)	(b)(4);	SeraCare Life Sciences, Inc.	20-Jun-17
+L-161-04/1	Sarnghadharan, Mangalasseril	(b)(6)	SeraCare Life Sciences, Inc.	20-Jun-17
+L-194-17/0	Bonomi, Carrie A.		IBC Generium LLC	20-Jun-17
+L-194-17/0	Dougherty, Kelly		IBC Generium LLC	20-Jun-17
+L-194-17/0	Hollingshead, Melinda G.		IBC Generium LLC	20-Jun-17
+L-164-05/1	Adhya, Sankar Lal		Targepeutics, Inc.	20-Jun-17
+L-164-05/1	Chaudhary, Vijay K		Targepeutics, Inc.	20-Jun-17
+L-164-05/1	Fitzgerald, David J.		Targepeutics, Inc.	20-Jun-17
+L-164-05/1	Pastan, Ira H		Targepeutics, Inc.	20-Jun-17
+L-164-05/1	(b) (4)		Targepeutics, Inc.	20-Jun-17
+L-164-05/1	Waldmann, Thomas A.		Targepeutics, Inc.	20-Jun-17
<i>Note: L-164-05/1 split between FDA; NCI</i>				
+L-245-94/1	(b) (4)		Boston Biomedics	20-Jun-17
+L-245-94/1	Sarnghadharan, Mangalasseril		Boston Biomedics	20-Jun-17
<i>Note: L-245-94/1 split between NCI; NIAID</i>				
+L-245-94/1	(b) (4)		Boston Biomedics	20-Jun-17
+L-245-94/1	Sarnghadharan, Mangalasseril		Boston Biomedics	20-Jun-17
<i>Note: L-245-94/1 split between NCI; NIAID</i>				
+L-022-17/0	NCI		Etubics Corporation	20-Jun-17
+L-022-17/0	NCI		Etubics Corporation	20-Jun-17
+L-091-06/0	Gottesman, Michael M.	(b)(4);	Cyprotex Discovery Ltd	21-Jun-17
+L-091-06/0	Pastan, Ira H	(b)(6)	Cyprotex Discovery Ltd	21-Jun-17
+L-091-06/0	Ueda, Kazumitsu		Cyprotex Discovery Ltd	21-Jun-17
+L-055-16/0	NCI		HVBio, Inc.	26-Jun-17
+L-162-14/0	Gottesman, Michael M.	(b)(4);	Pfizer	28-Jun-17
+L-162-14/0	Pastan, Ira H	(b)(6)	Pfizer	28-Jun-17
+L-162-14/0	Ueda, Kazumitsu		Pfizer	28-Jun-17
+L-117-17/0	NCI		Aspyrian Therapeutics, Inc.	28-Jun-17
+L-224-17/0	Costantino, Nina	(b)(4);	Delve Therapeutics	28-Jun-17
+L-224-17/0	Court, Donald	(b)(6)	Delve Therapeutics	28-Jun-17

(b) (3) (A), (b) (4), (b) (6)

+L-224-17/0	Datta, Simanti	(b)(4); (b)(6)	Delve Therapeutics	28-Jun-17
*+L-039-11/0	Onda, Masanori		Rockland Immunochemicals, Inc.	29-Jun-17
*+L-039-11/0	Pastan, Ira H		Rockland Immunochemicals, Inc.	29-Jun-17
*+L-039-11/0	Onda, Masanori		Rockland Immunochemicals, Inc.	29-Jun-17
*+L-039-11/0	Pastan, Ira H		Rockland Immunochemicals, Inc.	29-Jun-17

NIH Patent Licensing Activities
NCI
July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
*+L-122-16/0	NCI		Angio360 Diagnostics, LLC	3-Jul-17						(b) (3) (A), (b) (4), (b) (6)
+L-273-14/0	Chang, Nancy T.	(b)(4);	Novartis Vaccines Diagnostics	6-Jul-17						
+L-273-14/0	Crowl, Robert	(b)(6)	Novartis Vaccines Diagnostics	6-Jul-17						
+L-273-14/0	Fisher, Amanda G.		Novartis Vaccines Diagnostics	6-Jul-17						
+L-273-14/0	Hahn, Beatrice		Novartis Vaccines Diagnostics	6-Jul-17						
+L-273-14/0	Medabalimi, John L.		Novartis Vaccines Diagnostics	6-Jul-17						
+L-273-14/0	Mora, (b) (6) Peter T.		Novartis Vaccines Diagnostics	6-Jul-17						
+L-273-14/0	Oroszlan, Stephen		Novartis Vaccines Diagnostics	6-Jul-17						
+L-273-14/0	Reddy, E. Premkumar.		Novartis Vaccines Diagnostics	6-Jul-17						
+L-273-14/0	Sarnagadharan, Mangalasseril		Novartis Vaccines Diagnostics	6-Jul-17						
+L-234-00/5	Gelboin, (b) (6) Harry		Xeno Tech, LLC	6-Jul-17						
+L-234-00/5	Gonzalez, Frank J		Xeno Tech, LLC	6-Jul-17						
+L-234-00/5	Krausz, Kristopher W.		Xeno Tech, LLC	6-Jul-17						
+L-234-00/5	Yang, Tian J.		Xeno Tech, LLC	6-Jul-17						
+L-068-13/2	NCI		Kite Pharma, Inc.	10-Jul-17						
+L-249-17/0	Esposito, Dominic	(b)(4);	Vernalis (R&D) Limited	10-Jul-17						
+L-249-17/0	Gillette, William K.	(b)(6)	Vernalis (R&D) Limited	10-Jul-17						
+L-249-17/0	Grose, Carissa L.		Vernalis (R&D) Limited	10-Jul-17						
+L-249-17/0	Stephens, Robert M.		Vernalis (R&D) Limited	10-Jul-17						
+L-248-17/0	(b) (4)		Vernalis (R&D) Limited	10-Jul-17						
+L-248-17/0	Esposito, Dominic		Vernalis (R&D) Limited	10-Jul-17						
+L-248-17/0	Hopkins, Ralph F.		Vernalis (R&D) Limited	10-Jul-17						
+L-248-17/0	Roberts, Veronica Ann		Vernalis (R&D) Limited	10-Jul-17						
+L-013-08/3	Franchini, Genoveffa		Grifols Therapeutics, Inc.	11-Jul-17						
+L-013-08/3	Kalyanaraman, Vaniambadi S.		Grifols Therapeutics, Inc.	11-Jul-17						
+L-013-08/3	Markham, Phillip D.		Grifols Therapeutics, Inc.	11-Jul-17						
+L-013-08/3	Salahuddin, Syed Z.		Grifols Therapeutics, Inc.	11-Jul-17						
+L-080-93/2	Hathcock, Karen		BD Biosciences - BD PharMingen, Inc.	11-Jul-17						
+L-080-93/2	Hodes, Richard		BD Biosciences - BD PharMingen, Inc.	11-Jul-17						
+L-080-93/2	Laszlo, Gloria		BD Biosciences - BD PharMingen, Inc.	11-Jul-17						
+L-203-15/0	Gazdar, Adi F.		SOTIO	11-Jul-17						
+L-203-15/0	Johnson, Bruce E		SOTIO	11-Jul-17						
+L-203-15/0	Kaye, Frederic J		SOTIO	11-Jul-17						
+L-203-15/0	Khleif, Samir N.		SOTIO	11-Jul-17						
+L-203-15/0	Minna, John D.		SOTIO	11-Jul-17						

+L-203-15/0	Oie, Herbert K	(b)(4);	SOTIO	11-Jul-17
+L-203-15/0	Pass, Harvey I.	(b)(6)	SOTIO	11-Jul-17
+L-257-17/0	Buck, Christopher		Serum Institute of India PVT. LTD.	12-Jul-17
+L-257-17/0	(b) (4)		Serum Institute of India PVT. LTD.	12-Jul-17
+L-257-17/0	Pastrana, Diana V		Serum Institute of India PVT. LTD.	12-Jul-17
+L-257-17/0	Roden, Richard B		Serum Institute of India PVT. LTD.	12-Jul-17
+L-257-17/0	Buck, Christopher		Serum Institute of India PVT. LTD.	12-Jul-17
+L-257-17/0	(b) (4)		Serum Institute of India PVT. LTD.	12-Jul-17
+L-257-17/0	Pastrana, Diana V		Serum Institute of India PVT. LTD.	12-Jul-17
+L-257-17/0	Roden, Richard B		Serum Institute of India PVT. LTD.	12-Jul-17
+L-023-10/0	NCI		Lees Pharmaceutical	12-Jul-17
+L-164-13/1	NCI		Aura Biosciences, Inc.	12-Jul-17
+L-122-17/0	NCI		Koninklijke Philips N.V.	14-Jul-17
<i>Note: L-122-17/0 split between CC; NCI</i>				
+L-019-11/1	Dudley, Mark	(b)(4);	MedImmune, Inc.	14-Jul-17
+L-019-11/1	Morgan, Richard A.	(b)(6)	MedImmune, Inc.	14-Jul-17
+L-019-11/1	Robbins, Paul F		MedImmune, Inc.	14-Jul-17
+L-019-11/1	Rosenberg, Steven A.		MedImmune, Inc.	14-Jul-17
+L-197-17/0	Bonomi, Carrie A.		Seattle Genetics, Inc.	18-Jul-17
+L-197-17/0	Borgel, Suzanne D.		Seattle Genetics, Inc.	18-Jul-17
+L-197-17/0	Dougherty, Kelly		Seattle Genetics, Inc.	18-Jul-17
+L-197-17/0	Hollingshead, Melinda G.		Seattle Genetics, Inc.	18-Jul-17
+L-197-17/0	Bonomi, Carrie A.		Seattle Genetics, Inc.	18-Jul-17
+L-197-17/0	Borgel, Suzanne D.		Seattle Genetics, Inc.	18-Jul-17
+L-197-17/0	Dougherty, Kelly		Seattle Genetics, Inc.	18-Jul-17
+L-197-17/0	Hollingshead, Melinda G.		Seattle Genetics, Inc.	18-Jul-17
+L-237-16/0	Bonomi, Carrie A.		ChemoCentryx	18-Jul-17
+L-237-16/0	Borgel, Suzanne D.		ChemoCentryx	18-Jul-17
+L-237-16/0	Dougherty, Kelly		ChemoCentryx	18-Jul-17
+L-237-16/0	Hollingshead, Melinda G.		ChemoCentryx	18-Jul-17
+L-224-15/0	NCI		Bluebird Bio	18-Jul-17
+L-190-99/5	Gelboin, (b) (6) Harry	(b)(4);	BD & Company	18-Jul-17
+L-190-99/5	Gonzalez, Frank J	(b)(6)	BD & Company	18-Jul-17
+L-190-99/5	Krausz, Kristopher W.		BD & Company	18-Jul-17
+L-214-97/3	Gelboin, (b) (6) Harry		BD&Co.	18-Jul-17
+L-214-97/3	Krausz, Kristopher W.		BD&Co.	18-Jul-17
+L-214-97/3	Yang, Tian J.		BD&Co.	18-Jul-17
+L-324-98/3	Gelboin, (b) (6) Harry		Becton, Dickinson and Company	18-Jul-17
+L-324-98/3	Gonzalez, Frank J		Becton, Dickinson and Company	18-Jul-17
+L-324-98/3	Yang, Tian J.		Becton, Dickinson and Company	18-Jul-17
+L-198-97/2	Gelboin, (b) (6) Harry		Discovery Labware, Inc.	18-Jul-17
+L-198-97/2	Gonzalez, Frank J		Discovery Labware, Inc.	18-Jul-17
+L-198-97/2	Krausz, Kristopher W.		Discovery Labware, Inc.	18-Jul-17
+L-021-03/2	Gelboin, (b) (6) Harry		Discovery Labware Inc	18-Jul-17

License	Inventor	Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
+L-021-03/2	Gonzalez, Frank J	(b)(4);	Discovery Labware Inc	18-Jul-17						(b) (3) (A), (b) (4), (b) (6)
+L-021-03/2	Krausz, Kristopher W.	(b)(6)	Discovery Labware Inc	18-Jul-17						
+L-199-15/1	Hurwitz, Arthur A.		Agenus, Inc.	18-Jul-17						
+L-199-15/1	Ji, Qingyong		Agenus, Inc.	18-Jul-17						
+L-199-15/1	Singh, Vinod		Agenus, Inc.	18-Jul-17						
+L-199-15/1	Zhu, Ziqiang		Agenus, Inc.	18-Jul-17						
+L-168-17/0	Bera, Tapan K		Amgen, Inc.	18-Jul-17						
+L-168-17/0	Pastan, Ira H		Amgen, Inc.	18-Jul-17						
+L-168-17/0	Bera, Tapan K		Amgen, Inc.	18-Jul-17						
+L-168-17/0	Pastan, Ira H		Amgen, Inc.	18-Jul-17						
+L-060-12/1	Antony, Paul A.		Genentech Inc	19-Jul-17						
+L-060-12/1	Irvine, Kari R.		Genentech Inc	19-Jul-17						
+L-060-12/1	Restifo, Nicholas P.		Genentech Inc	19-Jul-17						
+L-222-17/0	Anderson, Lucy M.		Tar Meta Bioscience	24-Jul-17						
+L-222-17/0	Chakrapani, Harinath		Tar Meta Bioscience	24-Jul-17						
+L-222-17/0	Ji, Xinhua		Tar Meta Bioscience	24-Jul-17						
+L-222-17/0	Keefe, Larry K		Tar Meta Bioscience	24-Jul-17						
+L-222-17/0	Kumari, Vandana		Tar Meta Bioscience	24-Jul-17						
+L-222-17/0	Maciag, Anna Elzbieta		Tar Meta Bioscience	24-Jul-17						
+L-222-17/0	Saavedra, Joseph E		Tar Meta Bioscience	24-Jul-17						
+L-100-05/0	Hollingshead, Melinda G.		InvivoGen., Inc.	25-Jul-17						
+L-100-05/0	Sausville, Edward		InvivoGen., Inc.	25-Jul-17						
+L-100-05/0	Snader, Kenneth M		InvivoGen., Inc.	25-Jul-17						
+L-100-05/0	Vishnuvajjala, B. Rao		InvivoGen., Inc.	25-Jul-17						

NIH Patent Licensing Activities
NCI
August 2017

License	Inventor	Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
+L-121-08/0	Brechbiel, Martin W.	(b)(4);	Medtronic Inc	1-Aug-17						(b) (3) (A), (b) (4), (b) (6)
+L-121-08/0	Garmestani, Kayhan	(b)(6)	Medtronic Inc	1-Aug-17						
<i>Note: L-121-08/0 split between NCI; NINDS</i>										
+L-265-02/0	Marquez, Victor E		Tocris Cookson, Ltd.	1-Aug-17						
<i>Note: L-265-02/0 split between NCI; NIDDK</i>										
+L-025-07/0	Hollingshead, Melinda G.		Tocris Bioscience	1-Aug-17						
+L-025-07/0	Sausville, Edward		Tocris Bioscience	1-Aug-17						
+L-025-07/0	Snader, Kenneth M		Tocris Bioscience	1-Aug-17						
+L-025-07/0	Vishnuvajjala, B. Rao		Tocris Bioscience	1-Aug-17						
+L-025-07/0	Hollingshead, Melinda G.		Tocris Bioscience	1-Aug-17						
+L-025-07/0	Sausville, Edward		Tocris Bioscience	1-Aug-17						
+L-025-07/0	Snader, Kenneth M		Tocris Bioscience	1-Aug-17						
+L-025-07/0	Vishnuvajjala, B. Rao		Tocris Bioscience	1-Aug-17						
+L-010-06/1	Potter, (b) (6) Michael		Dako Denmark A/S	1-Aug-17						
+L-010-06/1	Potter, (b) (6) Michael		Dako Denmark A/S	1-Aug-17						

Study ID	Investigator	Company	Start Date	Redaction Code
+L-010-06/1	Potter, (b) (6) Michael	(b)(4); Dako Denmark A/S	1-Aug-17	(b) (3) (A), (b) (4), (b) (6)
+L-049-91/5	NCI	Biovitium AB (publ)	1-Aug-17	
+L-083-11/0	Waldmann, Thomas A. <i>Note: L-083-11/0 split between NCI; NINDS</i>	(b)(4); Abbott Biotherapeutics Corp.	1-Aug-17	
+L-083-11/0	Waldmann, Thomas A. <i>Note: L-083-11/0 split between NCI; NINDS</i>	(b)(6) Abbott Biotherapeutics Corp.	1-Aug-17	
+L-083-11/0	Waldmann, Thomas A. <i>Note: L-083-11/0 split between NCI; NINDS</i>	Abbott Biotherapeutics Corp.	1-Aug-17	
+L-277-17/0	Aaronson, Stuart A.	Valo Therapeutics Oy	1-Aug-17	
+L-277-17/0	Giardina, Steven	Valo Therapeutics Oy	1-Aug-17	
+L-277-17/0	Parks, Wade P	Valo Therapeutics Oy	1-Aug-17	
+L-241-16/0	Bonomi, Carrie A.	BeiGene, Ltd.	1-Aug-17	
+L-241-16/0	Borgel, Suzanne D.	BeiGene, Ltd.	1-Aug-17	
+L-241-16/0	Dougherty, Kelly	BeiGene, Ltd.	1-Aug-17	
+L-241-16/0	Hollingshead, Melinda G.	BeiGene, Ltd.	1-Aug-17	
+L-064-11/0	Barry, Todd	Eptiomics Inc	1-Aug-17	
+L-064-11/0	Rosenwald, Andreas	Eptiomics Inc	1-Aug-17	
+L-064-11/0	Staudt, Louis M	Eptiomics Inc	1-Aug-17	
+L-064-11/0	Wiestner, Adrian	Eptiomics Inc	1-Aug-17	
+L-064-11/0	Wilson, Wyndham H.	Eptiomics Inc	1-Aug-17	
+L-010-08/1	Hathcock, Karen	BioLegend	1-Aug-17	
+L-010-08/1	Hodes, Richard	BioLegend	1-Aug-17	
+L-010-08/1	Laszlo, Gloria	BioLegend	1-Aug-17	
+L-144-00/1	Bonner, William M	Upstate Biotechnology	2-Aug-17	
+L-144-00/1	Rogakou, Efthimia P	Upstate Biotechnology	2-Aug-17	
+L-254-17/0	Bonomi, Carrie A.	Neon Therapeutics	2-Aug-17	
+L-254-17/0	Borgel, Suzanne D.	Neon Therapeutics	2-Aug-17	
+L-254-17/0	Dougherty, Kelly	Neon Therapeutics	2-Aug-17	
+L-254-17/0	Hollingshead, Melinda G.	Neon Therapeutics	2-Aug-17	
+L-254-17/0	Bonomi, Carrie A.	Neon Therapeutics	2-Aug-17	
+L-254-17/0	Borgel, Suzanne D.	Neon Therapeutics	2-Aug-17	
+L-254-17/0	Dougherty, Kelly	Neon Therapeutics	2-Aug-17	
+L-254-17/0	Hollingshead, Melinda G.	Neon Therapeutics	2-Aug-17	
+L-082-13/1	NCI <i>Note: L-082-13/1 split between NCI; NIDDK</i>	Cornovus Pharmaceuticals	2-Aug-17	
+L-086-12/1	Ambrose, Zandra	(b)(4); Merck Sharp & Dohme, Corp.	4-Aug-17	
+L-086-12/1	Kewalramani, Vineet N	(b)(6) Merck Sharp & Dohme, Corp.	4-Aug-17	
+L-262-17/0	Bonomi, Carrie A.	Hutchison Medi Pharma Ltd.	7-Aug-17	
+L-262-17/0	Borgel, Suzanne D.	Hutchison Medi Pharma Ltd.	7-Aug-17	
+L-262-17/0	Dougherty, Kelly	Hutchison Medi Pharma Ltd.	7-Aug-17	
+L-262-17/0	Hollingshead, Melinda G.	Hutchison Medi Pharma Ltd.	7-Aug-17	
+L-262-17/0	Bonomi, Carrie A.	Hutchison Medi Pharma Ltd.	7-Aug-17	
+L-262-17/0	Borgel, Suzanne D.	Hutchison Medi Pharma Ltd.	7-Aug-17	

+L-262-17/0	Dougherty, Kelly	(b)(4);	Hutchison Medi Pharma Ltd.	7-Aug-17
+L-262-17/0	Hollingshead, Melinda G.	(b)(6)	Hutchison Medi Pharma Ltd.	7-Aug-17
+L-278-17/0	Felber, Barbara		FiberCell Laboratories	8-Aug-17
+L-278-17/0	Pavlakis, George N		FiberCell Laboratories	8-Aug-17
+L-278-17/0	Rosati, Margherita		FiberCell Laboratories	8-Aug-17
+L-087-07/1	NCI		MedGenesis Therapeutix	9-Aug-17
<i>Note: L-087-07/1 split between NCI; NIBIB; NINDS</i>				
+L-250-17/0	Bonomi, Carrie A.	(b)(4);	Aragen Bioscience, Inc.	9-Aug-17
+L-250-17/0	Borgel, Suzanne D.	(b)(6)	Aragen Bioscience, Inc.	9-Aug-17
+L-250-17/0	Dougherty, Kelly		Aragen Bioscience, Inc.	9-Aug-17
+L-250-17/0	Hollingshead, Melinda G.		Aragen Bioscience, Inc.	9-Aug-17
+L-250-17/0	Bonomi, Carrie A.		Aragen Bioscience, Inc.	9-Aug-17
+L-250-17/0	Borgel, Suzanne D.		Aragen Bioscience, Inc.	9-Aug-17
+L-250-17/0	Dougherty, Kelly		Aragen Bioscience, Inc.	9-Aug-17
+L-250-17/0	Hollingshead, Melinda G.		Aragen Bioscience, Inc.	9-Aug-17
+L-002-16/1	Feldman, Steven A		Kite Pharma, Inc.	10-Aug-17
+L-002-16/1	Morgan, Richard A.		Kite Pharma, Inc.	10-Aug-17
+L-002-16/1	Robbins, Paul F		Kite Pharma, Inc.	10-Aug-17
+L-002-16/1	Rosenberg, Steven A.		Kite Pharma, Inc.	10-Aug-17
+L-002-16/1	Yao, Xin		Kite Pharma, Inc.	10-Aug-17
+L-002-16/1	Zhu, Shiqui		Kite Pharma, Inc.	10-Aug-17
+L-277-17/0	Aaronson, Stuart A.		Valo Therapeutics Oy	11-Aug-17
+L-277-17/0	Giardina, Steven		Valo Therapeutics Oy	11-Aug-17
+L-277-17/0	Parks, Wade P		Valo Therapeutics Oy	11-Aug-17
+L-089-07/0	Emmert-Buck, Michael R.		Theranostics Health	11-Aug-17
+L-089-07/0	Liotta, Lance		Theranostics Health	11-Aug-17
+L-089-07/0	Mehta, Arpita I		Theranostics Health	11-Aug-17
+L-089-07/0	Simone, Nicole L		Theranostics Health	11-Aug-17
<i>Note: L-089-07/0 split between FDA; NCI</i>				
+L-047-06/1	Crowl, Robert		Chembio Diagnostic Systems, Inc.	14-Aug-17
+L-047-06/1	(b) (4)		Chembio Diagnostic Systems, Inc.	14-Aug-17
+L-047-06/1	Reddy, E. Premkumar.		Chembio Diagnostic Systems, Inc.	14-Aug-17
+L-138-15/0	Dimitrov, Dimiter S.		Antibodies Solutions LLC	14-Aug-17
+L-138-15/0	Ju, Tina W.		Antibodies Solutions LLC	14-Aug-17
+L-138-15/0	(b) (4)		Antibodies Solutions LLC	14-Aug-17
+L-138-15/0	Ying, Tianlei		Antibodies Solutions LLC	14-Aug-17
+L-045-04/1	Guedez, Liliana		Trevigen, Inc.	15-Aug-17
+L-045-04/1	Stetler-Stevenson, William G.		Trevigen, Inc.	15-Aug-17
<i>Note: L-045-04/1 split between NCI; NIBIB</i>				
+L-293-17/0	Buck, Christopher		Antagen Biosciences, Inc.	15-Aug-17
+L-073-09/0	Bonner, William M		BioLegend	15-Aug-17
+L-073-09/0	Rogakou, Efthimia P		BioLegend	15-Aug-17
+L-095-12/0	Baskar, Sivasubramanian		BioLegend	15-Aug-17
+L-095-12/0	Rader, Christoph		BioLegend	15-Aug-17
+L-162-08/1	Roberts, (b) (6) Anita		BioLegend	15-Aug-17

(b) (3) (A), (b) (4), (b) (6)

Study ID	Investigator	Company	Date	Redaction
+L-162-08/1 <i>Note: L-162-08/1 split between NCI; NIAID</i>	Sporn, Michael B.	BioLegend	15-Aug-17	(b) (3) (A), (b) (4), (b) (6)
+L-232-14/0 <i>Note: L-232-14/0 split between CIT; NCI</i>	NCI	NanoString Technologies, Inc.	15-Aug-17	
+L-201-17/0	Gazdar, Adi F.	(b)(4); Leica Biosystems Newcastle Ltd	17-Aug-17	
+L-201-17/0	Johnson, Bruce E	(b)(6) Leica Biosystems Newcastle Ltd	17-Aug-17	
+L-201-17/0	Kaye, Frederic J	Leica Biosystems Newcastle Ltd	17-Aug-17	
+L-201-17/0	Kheif, Samir N.	Leica Biosystems Newcastle Ltd	17-Aug-17	
+L-201-17/0	Minna, John D.	Leica Biosystems Newcastle Ltd	17-Aug-17	
+L-201-17/0	Oie, Herbert K	Leica Biosystems Newcastle Ltd	17-Aug-17	
+L-201-17/0	Pass, Harvey I.	Leica Biosystems Newcastle Ltd	17-Aug-17	
+L-271-01/7	NCI	Millennium Pharmaceuticals, Inc.	17-Aug-17	
+L-102-14/1	Copeland, Neal	(b)(4); Enevolv Inc	18-Aug-17	
+L-102-14/1	Costantino, Nina	(b)(6) Enevolv Inc	18-Aug-17	
+L-102-14/1	Court, Donald	Enevolv Inc	18-Aug-17	
+L-102-14/1	Ellis, Hilary Moyed	Enevolv Inc	18-Aug-17	
+L-102-14/1	Jenkins Copeland, Nancy A	Enevolv Inc	18-Aug-17	
+L-102-14/1	Lee, E-Chiang	Enevolv Inc	18-Aug-17	
+L-102-14/1	Liu, Pentao	Enevolv Inc	18-Aug-17	
+L-102-14/1	Sharan, Shyam K	Enevolv Inc	18-Aug-17	
+L-102-14/1	Swaminathan, Srividya	Enevolv Inc	18-Aug-17	
+L-102-14/1	Warming, Soren	Enevolv Inc	18-Aug-17	
+L-102-14/1	Yu, Daiguan	Enevolv Inc	18-Aug-17	
+L-130-15/0 <i>Note: L-130-15/0 split between FDA; NCI</i>	NCI	A's Inc.	18-Aug-17	
+L-002-04/1	Kawakami, Yutaka	(b)(4); Cell Marque	21-Aug-17	
+L-002-04/1	Robbins, Paul F	(b)(6) Cell Marque	21-Aug-17	
+L-002-04/1	Rosenberg, Steven A.	Cell Marque	21-Aug-17	
+L-130-94/2	King, Charles R.	Santa Cruz Biotechnology	22-Aug-17	
+L-130-94/2	Liotta, Lance	Santa Cruz Biotechnology	22-Aug-17	
+L-130-94/2	Steeg, Patricia S.	Santa Cruz Biotechnology	22-Aug-17	
+L-130-94/2	King, Charles R.	Santa Cruz Biotechnology	22-Aug-17	
+L-130-94/2	Liotta, Lance	Santa Cruz Biotechnology	22-Aug-17	
+L-130-94/2	Steeg, Patricia S.	Santa Cruz Biotechnology	22-Aug-17	
+L-045-08/1	Bonner, William M	Active Motif	22-Aug-17	
+L-045-08/1	Rogakou, Efthimia P	Active Motif	22-Aug-17	
+L-032-06/2	NCI	Morphotek, Inc.	22-Aug-17	
+L-039-11/0	Onda, Masanori	(b)(4); Rockland Immunochemicals, Inc.	22-Aug-17	
+L-039-11/0	Pastan, Ira H	(b)(6) Rockland Immunochemicals, Inc.	22-Aug-17	
+L-078-13/0	Gazdar, Adi F.	Amgen, Inc.	22-Aug-17	
+L-078-13/0	Johnson, Bruce E	Amgen, Inc.	22-Aug-17	
+L-078-13/0	Kaye, Frederic J	Amgen, Inc.	22-Aug-17	
+L-078-13/0	Khleif, Samir N.	Amgen, Inc.	22-Aug-17	
+L-078-13/0	Minna, John D.	Amgen, Inc.	22-Aug-17	
+L-078-13/0	Oie, Herbert K	Amgen, Inc.	22-Aug-17	
+L-078-13/0	Pass, Harvey I.	Amgen, Inc.	22-Aug-17	

+L-168-17/0	Bera, Tapan K	(b)(4);	Amgen, Inc.	22-Aug-17
+L-168-17/0	Pastan, Ira H	(b)(6)	Amgen, Inc.	22-Aug-17
+L-107-13/1	NCI		OPUS BIO INC	24-Aug-17
+L-106-13/1	NCI		Opus Bio, Inc.	24-Aug-17
+L-221-17/0	Cao, Boliang (Brian)	(b)(4);	Cymeta Biopharmaceutical	25-Aug-17
+L-221-17/0	Vande Woude, George	(b)(6)	Cymeta Biopharmaceutical	25-Aug-17
+L-049-91/5	Aaronson, Stuart A.		Biovitium AB (publ)	25-Aug-17
+L-049-91/5	Finch, Paul W.		Biovitium AB (publ)	25-Aug-17
+L-049-91/5	Rubin, Jeffrey S		Biovitium AB (publ)	25-Aug-17
+L-210-16/0	Linehan, Marston		MetaboMed, LTD	25-Aug-17
+L-210-16/0	Yang, Youfeng		MetaboMed, LTD	25-Aug-17
+L-223-17/0	NCI		Selecta Biosciences, Inc.	25-Aug-17
+L-221-17/0	Cao, Boliang (Brian)	(b)(4);	Cymeta Biopharmaceutical	25-Aug-17
+L-221-17/0	Vande Woude, George	(b)(6)	Cymeta Biopharmaceutical	25-Aug-17
+L-122-17/0	Choyke, Peter L		Koninklijke Philips N.V.	29-Aug-17
+L-122-17/0	Pinto, Peter A		Koninklijke Philips N.V.	29-Aug-17
+L-122-17/0	Turkbey, Ismail B.		Koninklijke Philips N.V.	29-Aug-17
<i>Note: L-122-17/0 split between CC; NCI</i>				
+L-298-96/2	NCI		Merck & Co., Inc.	29-Aug-17
+L-083-11/0	Waldmann, Thomas A.	(b)(4);	Abbott Biotherapeutics Corp.	29-Aug-17
<i>Note: L-083-11/0 split between NCI; NINDS</i>				
+L-083-11/0	Waldmann, Thomas A.	(b)(6)	Abbott Biotherapeutics Corp.	29-Aug-17
<i>Note: L-083-11/0 split between NCI; NINDS</i>				
+L-086-08/2	NCI		PAXVAX INC	29-Aug-17
+L-028-17/0	NCI		University of Texas	30-Aug-17
+L-013-08/3	Franchini, Genoveffa	(b)(4);	Grifols Therapeutics, Inc.	30-Aug-17
+L-013-08/3	Kalyanaraman, Vaniambadi S.	(b)(6)	Grifols Therapeutics, Inc.	30-Aug-17
+L-013-08/3	Markham, Phillip D.		Grifols Therapeutics, Inc.	30-Aug-17
+L-013-08/3	Salahuddin, Syed Z.		Grifols Therapeutics, Inc.	30-Aug-17
+L-256-17/0	Bonomi, Carrie A.		AbbVie	30-Aug-17
+L-256-17/0	Borgel, Suzanne D.		AbbVie	30-Aug-17
+L-256-17/0	Dougherty, Kelly		AbbVie	30-Aug-17
+L-256-17/0	Hollingshead, Melinda G.		AbbVie	30-Aug-17
+L-256-17/0	Bonomi, Carrie A.		AbbVie	30-Aug-17
+L-256-17/0	Borgel, Suzanne D.		AbbVie	30-Aug-17
+L-256-17/0	Dougherty, Kelly		AbbVie	30-Aug-17
+L-256-17/0	Hollingshead, Melinda G.		AbbVie	30-Aug-17
+L-203-01/0	Allegra, Carmen		ZYMED LABORATORIES, INC.	30-Aug-17
+L-203-01/0	Chabner, Bruce A		ZYMED LABORATORIES, INC.	30-Aug-17
+L-203-01/0	Johnston, Patrick G.		ZYMED LABORATORIES, INC.	30-Aug-17
+L-203-01/0	Liang, Chi-Ming		ZYMED LABORATORIES, INC.	30-Aug-17

(b) (3) (A), (b) (4), (b) (6)

+L-004-07/2 Qasba, Pradman
 +L-004-07/2 Ramakrishnan, Boopathy

(b)(4); (b)(6) ife Technologies Corp.
 (b)(6) ife Technologies Corp.

30-Aug-17
 30-Aug-17

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
 NCI
 September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
+L-115-95/2	NCI		MedImmune, Inc.	1-Sep-17						(b) (3) (A), (b) (4), (b) (6)
+L-010-09/1	Felber, Barbara K.	(b)(4);	Taimed Biologics USA	1-Sep-17						
+L-010-09/1	Pavakis, George N	(b)(6)	Taimed Biologics USA	1-Sep-17						
+L-220-01/0	NCI		Tibotec Pharm Ltd.	5-Sep-17						
+L-220-01/0	(b) (4)	(b)(4);	Tibotec Pharm Ltd.	5-Sep-17						
+L-015-84/8	Chang, Nancy T.	(b)(6)	Abbott Laboratories	5-Sep-17						
+L-015-84/8	Crowl, Robert	(b)(6)	Abbott Laboratories	5-Sep-17						
+L-015-84/8	Fisher, Amanda G.	(b)(6)	Abbott Laboratories	5-Sep-17						
+L-015-84/8	Hahn, Beatrice	(b)(6)	Abbott Laboratories	5-Sep-17						
+L-015-84/8	(b) (4)	(b)(6)	Abbott Laboratories	5-Sep-17						
+L-015-84/8	Reddy, E. Premkumar.	(b)(6)	Abbott Laboratories	5-Sep-17						
+L-015-84/8	Sarnagadharan, Mangalasseril	(b)(6)	Abbott Laboratories	5-Sep-17						
+L-183-99/0	Aaronson, Stuart A.	(b)(6)	Vysis, Inc.	5-Sep-17						
+L-183-99/0	King, Charles R.	(b)(6)	Vysis, Inc.	5-Sep-17						
+L-183-99/0	Kraus, (b) (6) Matthias	(b)(6)	Vysis, Inc.	5-Sep-17						
+L-281-17/0	Bonomi, Carrie A.	(b)(6)	Intellia Therapeutics, Inc	5-Sep-17						
+L-281-17/0	Borgel, Suzanne D.	(b)(6)	Intellia Therapeutics, Inc	5-Sep-17						
+L-281-17/0	Dougherty, Kelly	(b)(6)	Intellia Therapeutics, Inc	5-Sep-17						
+L-281-17/0	Hollingshead, Melinda G.	(b)(6)	Intellia Therapeutics, Inc	5-Sep-17						
+L-281-17/0	Bonomi, Carrie A.	(b)(6)	Intellia Therapeutics, Inc	5-Sep-17						
+L-281-17/0	Borgel, Suzanne D.	(b)(6)	Intellia Therapeutics, Inc	5-Sep-17						
+L-281-17/0	Dougherty, Kelly	(b)(6)	Intellia Therapeutics, Inc	5-Sep-17						
+L-281-17/0	Hollingshead, Melinda G.	(b)(6)	Intellia Therapeutics, Inc	5-Sep-17						
+L-091-10/0	Bonner, William M	(b)(6)	Novus Biologicals, Inc.	6-Sep-17						
+L-091-10/0	Rogakou, Efthimia P	(b)(6)	Novus Biologicals, Inc.	6-Sep-17						
+L-021-03/2	Gelboin, (b) (6) Harry	(b)(6)	Discovery Labware Inc	6-Sep-17						
+L-021-03/2	Gonzalez, Frank J	(b)(6)	Discovery Labware Inc	6-Sep-17						
+L-021-03/2	Krausz, Kristopher W.	(b)(6)	Discovery Labware Inc	6-Sep-17						
+L-179-16/0	Gazdar, Adi F.	(b)(6)	Janssen Research Foundation	6-Sep-17						
+L-179-16/0	Johnson, Bruce E	(b)(6)	Janssen Research Foundation	6-Sep-17						
+L-179-16/0	Kaye, Frederic J	(b)(6)	Janssen Research Foundation	6-Sep-17						
+L-179-16/0	Khleif, Samir N.	(b)(6)	Janssen Research Foundation	6-Sep-17						
+L-179-16/0	Minna, John D.	(b)(6)	Janssen Research Foundation	6-Sep-17						
+L-179-16/0	Oie, Herbert K	(b)(6)	Janssen Research Foundation	6-Sep-17						
+L-179-16/0	Pass, Harvey I.	(b)(6)	Janssen Research Foundation	6-Sep-17						
+L-323-17/0	Bonomi, Carrie A.	(b)(6)	SQZ Biotechnologies	6-Sep-17						
+L-323-17/0	Borgel, Suzanne D.	(b)(6)	SQZ Biotechnologies	6-Sep-17						

+L-323-17/0	Dougherty, Kelly	(b)(4);	SQZ Biotechnologies	6-Sep-17	(b) (3) (A), (b) (4), (b) (6)	
+L-323-17/0	Hollingshead, Melinda G.	(b)(6)	SQZ Biotechnologies	6-Sep-17		
+L-323-17/0	Bonomi, Carrie A.		SQZ Biotechnologies	6-Sep-17		
+L-323-17/0	Borgel, Suzanne D.		SQZ Biotechnologies	6-Sep-17		
+L-323-17/0	Dougherty, Kelly		SQZ Biotechnologies	6-Sep-17		
+L-323-17/0	Hollingshead, Melinda G.		SQZ Biotechnologies	6-Sep-17		
+L-154-97/2	Mason, Llewellyn H.		PharMingen, Inc.	11-Sep-17		
+L-154-97/2	Ortaldo, John R.		PharMingen, Inc.	11-Sep-17		
+L-097-00/2	Austin, Faye C.		BD Biosciences, PharMingen	11-Sep-17		
+L-097-00/2	Colcher, David		BD Biosciences, PharMingen	11-Sep-17		
+L-097-00/2	Hand, Patricia H		BD Biosciences, PharMingen	11-Sep-17		
+L-097-00/2	Nuti, Marianna		BD Biosciences, PharMingen	11-Sep-17		
+L-097-00/2	Schlom, Jeffrey		BD Biosciences, PharMingen	11-Sep-17		
+L-277-14/2	NCI		Kite Pharma, Inc.	11-Sep-17		
+L-232-14/0	NCI		NanoString Technologies, Inc.	11-Sep-17		
<i>Note: L-232-14/0 split between CIT; NCI</i>						
+L-135-10/0	Barry, Todd	(b)(4);	Genzyme Corporation	12-Sep-17		
+L-135-10/0	Rosenwald, Andreas	(b)(6)	Genzyme Corporation	12-Sep-17		
+L-135-10/0	Staudt, Louis M		Genzyme Corporation	12-Sep-17		
+L-135-10/0	Wiestner, Adrian		Genzyme Corporation	12-Sep-17		
+L-135-10/0	Wilson, Wyndham H.		Genzyme Corporation	12-Sep-17		
+L-010-10/1	NCI		GlaxoSmithKline Biologicals	12-Sep-17		
+L-279-17/0	Bonomi, Carrie A.	(b)(4);	OncodesignBiotechnology	13-Sep-17		
+L-279-17/0	Borgel, Suzanne D.	(b)(6)	OncodesignBiotechnology	13-Sep-17		
+L-279-17/0	Dougherty, Kelly		OncodesignBiotechnology	13-Sep-17		
+L-279-17/0	Hollingshead, Melinda G.		OncodesignBiotechnology	13-Sep-17		
+L-279-17/0	Bonomi, Carrie A.		OncodesignBiotechnology	13-Sep-17		
+L-279-17/0	Borgel, Suzanne D.		OncodesignBiotechnology	13-Sep-17		
+L-279-17/0	Dougherty, Kelly		OncodesignBiotechnology	13-Sep-17		
+L-279-17/0	Hollingshead, Melinda G.		OncodesignBiotechnology	13-Sep-17		
+L-320-17/0	Bonomi, Carrie A.		Elstar Therapeutics	13-Sep-17		
+L-320-17/0	Borgel, Suzanne D.		Elstar Therapeutics	13-Sep-17		
+L-320-17/0	Dougherty, Kelly		Elstar Therapeutics	13-Sep-17		
+L-320-17/0	Hollingshead, Melinda G.		Elstar Therapeutics	13-Sep-17		
+L-320-17/0	Bonomi, Carrie A.		Elstar Therapeutics	13-Sep-17		
+L-320-17/0	Borgel, Suzanne D.		Elstar Therapeutics	13-Sep-17		
+L-320-17/0	Dougherty, Kelly		Elstar Therapeutics	13-Sep-17		
+L-320-17/0	Hollingshead, Melinda G.		Elstar Therapeutics	13-Sep-17		

\$45,671,780.93 \$1,894,680.50 \$47,566,461.43 \$11,427,801.14 \$36,138,660.29

* denotes an adjustment to fix a problem from a previous month

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NEI
April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
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NIH Patent Licensing Activities
NEI
May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
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NIH Patent Licensing Activities
NEI
June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
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NIH Patent Licensing Activities
NEI
July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
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NIH Patent Licensing Activities
NEI
August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
L-230-02/1	NEI		Bausch & Lomb	29-Aug-17						(b) (3) (A), (b) (4)

NIH Patent Licensing Activities
NEI
September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
							(b) (3) (A), (b) (4)		\$0.00	(b) (3) (A), (b) (4)

NIH Patent Licensing Activities
NHGRI
April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
L-116-13/0	NHGRI		EMD Millipore Corp.	4-Apr-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-116-13/0 split between NCATS; NHGRI</i>										
*+L-006-09/1	Cheng, Jun	(b)(4);	Novonordisk A/S	11-Apr-17						
*+L-006-09/1	Schwartzberg, Pamela L.	(b)(6)	Novonordisk A/S	11-Apr-17						
<i>Note: L-006-09/1 split between NCI; NHGRI</i>										
*+L-067-04/0	Heselmeyer, Kerstin		Cancer Genetics Inc	13-Apr-17						
*+L-067-04/0	Macville, Merryn VE		Cancer Genetics Inc	13-Apr-17						
*+L-067-04/0	Ried, Thomas		Cancer Genetics Inc	13-Apr-17						
*+L-067-04/0	Schrock, Evelin		Cancer Genetics Inc	13-Apr-17						
*+L-087-12/0	Heselmeyer, Kerstin		Quest Diagnostics Inc.	18-Apr-17						
*+L-087-12/0	Macville, Merryn VE		Quest Diagnostics Inc.	18-Apr-17						
*+L-087-12/0	Ried, Thomas		Quest Diagnostics Inc.	18-Apr-17						
*+L-087-12/0	Schrock, Evelin		Quest Diagnostics Inc.	18-Apr-17						

NIH Patent Licensing Activities
NHGRI
May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
+L-149-16/0	Chandler, Randy J.	(b)(4);	Mordena Therapeutics, Inc	1-May-17						(b) (3) (A), (b) (4), (b) (6)
+L-149-16/0	Manoli, Irini	(b)(6)	Mordena Therapeutics, Inc	1-May-17						
+L-149-16/0	Venditti, Charles P.		Mordena Therapeutics, Inc	1-May-17						
+L-153-17/0	Chandler, Randy J.		LogicBio Therapeutics, Inc.	8-May-17						
+L-153-17/0	Manoli, Irini		LogicBio Therapeutics, Inc.	8-May-17						
+L-153-17/0	Venditti, Charles P.		LogicBio Therapeutics, Inc.	8-May-17						
+L-153-17/0	Chandler, Randy J.		LogicBio Therapeutics, Inc.	8-May-17						
+L-153-17/0	Manoli, Irini		LogicBio Therapeutics, Inc.	8-May-17						
+L-153-17/0	Venditti, Charles P.		LogicBio Therapeutics, Inc.	8-May-17						
+L-216-17/0	Chandler, Randy J.		Select a Biosci nces, Inc.	31-May-17						
+L-216-17/0	Venditti, Charles P.		Select a Biosci nces, Inc.	31-May-17						
+L-216-17/0	Chandler, Randy J.		Select a Biosci nces, Inc.	31-May-17						
+L-216-17/0	Venditti, Charles P.		Select a Biosci nces, Inc.	31-May-17						

NIH Patent Licensing Activities
NHGRI
June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
+L-216-17/0	NHGRI		Select a Biosciences, Inc.	13-Jun-17						(b) (3) (A), (b) (4)

NIH Patent Licensing Activities
NHGRI
July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
+L-244-17/0	Chandler, Randy J.	(b)(4);	Logic Bio Therapeutics, Inc.	1-Jul-17						(b) (3) (A), (b) (4), (b) (6)
+L-244-17/0	Venditti, Charles P.	(b)(6)	Logic Bio Therapeutics, Inc.	1-Jul-17						
+L-244-17/0	Chandler, Randy J.		Logic Bio Therapeutics, Inc.	1-Jul-17						
+L-244-17/0	Venditti, Charles P.		Logic Bio Therapeutics, Inc.	1-Jul-17						
+L-243-17/0	Chandler, Randy J.		Logic Bio Therapeutics, Inc.	1-Jul-17						
+L-243-17/0	Venditti, Charles P.		Logic Bio Therapeutics, Inc.	1-Jul-17						
+L-243-17/0	Chandler, Randy J.		Logic Bio Therapeutics, Inc.	1-Jul-17						
+L-243-17/0	Venditti, Charles P.		Logic Bio Therapeutics, Inc.	1-Jul-17						

NIH Patent Licensing Activities
NHGRI
August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
+L-260-17/0	Sidransky, Ellen	(b)(4);	Shire Human Genetic Therapies, Inc.	4-Aug-17						(b) (3) (A), (b) (4), (b) (6)
+L-260-17/0	Stubblefield, Barbara K.	(b)(6)	Shire Human Genetic Therapies, Inc.	4-Aug-17						
+L-260-17/0	Sidransky, Ellen		Shire Human Genetic Therapies, Inc.	4-Aug-17						
+L-260-17/0	Stubblefield, Barbara K.		Shire Human Genetic Therapies, Inc.	4-Aug-17						
+L-272-17/0	Chandler, Randy J.		Selecta Biosciences, Inc.	16-Aug-17						
+L-272-17/0	Manoli, Irini		Selecta Biosciences, Inc.	16-Aug-17						
+L-272-17/0	Venditti, Charles P.		Selecta Biosciences, Inc.	16-Aug-17						
+L-029-15/0	Biesecker, Leslie G.		Amgen, Inc	22-Aug-17						
+L-029-15/0	Johnston, Jennifer J.		Amgen, Inc	22-Aug-17						
+L-029-15/0	Mullikin, James C.		Amgen, Inc	22-Aug-17						
+L-205-98/0	Meltzer, Paul		Affinity BioReagents	30-Aug-17						
+L-205-98/0	Trent, Jeffrey		Affinity BioReagents	30-Aug-17						

NIH Patent Licensing Activities
NHGRI

September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
+L-032-12/0	NHGRI		Agios Pharmaceuticals Inc	5-Sep-17						(b) (3) (A), (b) (4)
<i>Note: L-032-12/0 split between NCATS; NHGRI</i>										

\$232,156.87	\$26,594.50	\$258,751.37	\$50,996.24	\$207,755.13
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* denotes an adjustment to fix a problem from a previous month
 + denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NHLBI
April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
*+L-010-14/0	Cecchini, Sylvain	(b)(4);	Life Technology Corp. (BAC BV)	3-Apr-17						(b) (3) (A), (b) (4), (b) (6)
*+L-010-14/0	Kotin, Robert M.	(b)(6)	Life Technology Corp. (BAC BV)	3-Apr-17						
*+L-010-14/0	Smith, Richard H.		Life Technology Corp. (BAC BV)	3-Apr-17						
*+L-248-14/0	NHLBI		Applied Genetic Technologies Corp	7-Apr-17						
*+L-105-13/0	Ding, Chuantian	(b)(4);	Beat Biotherapeutics Corp	13-Apr-17						
*+L-105-13/0	Kotin, Robert M.	(b)(6)	Beat Biotherapeutics Corp	13-Apr-17						
*+L-105-13/0	Urabe, Masashi		Beat Biotherapeutics Corp	13-Apr-17						
*+L-021-09/0	NHLBI		Arthrogen BV	21-Apr-17						
*+L-158-17/0	Yang, Yanqin	(b)(4);	Mokobio Life Science Group, Inc.	27-Apr-17						
*+L-158-17/0	Zhu, Jun	(b)(6)	Mokobio Life Science Group, Inc.	27-Apr-17						
<i>Note: L-158-17/0 split between NCI; NHLBI</i>										
*+L-158-17/0	NHLBI		Mokobio Life Science Group, Inc.	27-Apr-17						
<i>Note: L-158-17/0 split between NCI; NHLBI</i>										

NIH Patent Licensing Activities
NHLBI
May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
*+L-036-16/0	NHLBI		Aima Biotech, LLC	1-May-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-036-16/0 split between CC; NHLBI</i>										
+L-120-17/0	Chiorini, John A.	(b)(4);	Editas Medicine, Inc	5-May-17						
+L-120-17/0	Kotin, Robert M.	(b)(6)	Editas Medicine, Inc	5-May-17						
+L-042-06/2	Aletras, Anthony Homer		Siemens AG, Med. Solutions	18-May-17						
+L-042-06/2	Kellman, Peter		Siemens AG, Med. Solutions	18-May-17						
+L-042-06/2	McVeigh, Elliott R		Siemens AG, Med. Solutions	18-May-17						
+L-042-06/2	Wen, Han		Siemens AG, Med. Solutions	18-May-17						
+L-042-06/2	Aletras, Anthony Homer		Siemens AG, Med. Solutions	18-May-17						
+L-042-06/2	Kellman, Peter		Siemens AG, Med. Solutions	18-May-17						
+L-042-06/2	McVeigh, Elliott R		Siemens AG, Med. Solutions	18-May-17						
+L-042-06/2	Wen, Han		Siemens AG, Med. Solutions	18-May-17						

NIH Patent Licensing Activities
NHLBI
June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License	Inventor Awards June	Net Remaining to IC
								Cumulative Income		
+L-105-17/0	Chiorini, John A.	(b)(4);	Genzyme Corporation	5-Jun-17						(b) (3) (A), (b) (4), (b) (6)
+L-105-17/0	Kotin, Robert M.	(b)(6)	Genzyme Corporation	5-Jun-17						
+L-105-17/0	Chiorini, John A.		Genzyme Corporation	5-Jun-17						
+L-105-17/0	Kotin, Robert M.		Genzyme Corporation	5-Jun-17						
+L-151-08/0	Brewer, H. Bryan		AlphaCore Pharma LLC	20-Jun-17						
+L-151-08/0	Hoeg, Nancy		AlphaCore Pharma LLC	20-Jun-17						
+L-151-08/0	Santamarina-Fojo, Silvia		AlphaCore Pharma LLC	20-Jun-17						
+L-256-14/0	NHLBI		VisiTech International	22-Jun-17						
<i>Note: L-256-14/0 split between NHLBI; NIBIB</i>										
+L-200-17/0	Ding, Chuantian	(b)(4);	Homology Medicines, Inc.	23-Jun-17						
+L-200-17/0	Kotin, Robert M.	(b)(6)	Homology Medicines, Inc.	23-Jun-17						
+L-200-17/0	Urabe, Masashi		Homology Medicines, Inc.	23-Jun-17						
+L-200-17/0	Ding, Chuantian		Homology Medicines, Inc.	23-Jun-17						
+L-200-17/0	Kotin, Robert M.		Homology Medicines, Inc.	23-Jun-17						
+L-200-17/0	Urabe, Masashi		Homology Medicines, Inc.	23-Jun-17						
+L-003-16/1	NHLBI		Transmural Systems, LLC	28-Jun-17						

NIH Patent Licensing Activities
NHLBI
July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License	Inventor Awards July	Net Remaining to IC
								Cumulative Income		
+L-240-17/0	Cannon, Richard O.	(b)(4);	United Therapeutics Corporation	1-Jul-17						(b) (3) (A), (b) (4), (b) (6)
+L-240-17/0	Gladwin, Mark T.	(b)(6)	United Therapeutics Corporation	1-Jul-17						
+L-240-17/0	Hunter, Christian J		United Therapeutics Corporation	1-Jul-17						
+L-240-17/0	(b) (4)		United Therapeutics Corporation	1-Jul-17						
+L-240-17/0	(b) (4)		United Therapeutics Corporation	1-Jul-17						
+L-240-17/0	(b) (4)		United Therapeutics Corporation	1-Jul-17						
+L-240-17/0	(b) (4)		United Therapeutics Corporation	1-Jul-17						
<i>Note: L-240-17/0 split between CC; NHLBI; NIDDK; NINDS</i>										
+L-151-08/0	NHLBI		AlphaCore Pharma LLC	6-Jul-17						
+L-181-17/0	Ding, Chuan-Tian	(b)(4);	Laboratorios del Dr. Esteve, S.A.U.	14-Jul-17						
+L-181-17/0	Kotin, Robert M.	(b)(6)	Laboratorios del Dr. Esteve, S.A.U.	14-Jul-17						
+L-181-17/0	Urabe, Masashi		Laboratorios del Dr. Esteve, S.A.U.	14-Jul-17						
+L-181-17/0	Ding, Chuan-Tian		Laboratorios del Dr. Esteve, S.A.U.	14-Jul-17						
+L-181-17/0	Kotin, Robert M.		Laboratorios del Dr. Esteve, S.A.U.	14-Jul-17						
+L-181-17/0	Urabe, Masashi		Laboratorios del Dr. Esteve, S.A.U.	14-Jul-17						

NIH Patent Licensing Activities
NHLBI
August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
+L-240-17/0	Cannon, Richard O.	(b)(4);	United Therapeutics Corporation	1-Aug-17						(b) (3) (A), (b) (4), (b) (6)
+L-240-17/0	Gladwin, Mark T.	(b)(6)	United Therapeutics Corporation	1-Aug-17						
+L-240-17/0	Hunter, Christian J		United Therapeutics Corporation	1-Aug-17						
+L-240-17/0	(b) (4)		United Therapeutics Corporation	1-Aug-17						
+L-240-17/0	(b) (4)		United Therapeutics Corporation	1-Aug-17						
+L-240-17/0	(b) (4)		United Therapeutics Corporation	1-Aug-17						
+L-240-17/0	(b) (4)		United Therapeutics Corporation	1-Aug-17						
<i>Note: L-240-17/0 split between CC; NHLBI; NIDDK; NINDS</i>										
+L-240-17/0	NHLBI		United Therapeutics Corporation	1-Aug-17						
<i>Note: L-240-17/0 split between CC; NHLBI; NIDDK; NINDS</i>										
+L-088-12/0	NHLBI		Sangamo BioSciences Inc	1-Aug-17						
<i>Note: L-088-12/0 split between NHLBI; NIDCR</i>										
+L-077-04/5	Ding, Chuantian	(b)(4);	Boeringer Ingelheim Pharma	10-Aug-17						
+L-077-04/5	Kotin, Robert M.	(b)(6)	Boeringer Ingelheim Pharma	10-Aug-17						
+L-077-04/5	Smith, Richard H.		Boeringer Ingelheim Pharma	10-Aug-17						
+L-077-04/5	Urabe, Masashi		Boeringer Ingelheim Pharma	10-Aug-17						
+L-077-04/5	Ding, Chuantian		Boeringer Ingelheim Pharma	10-Aug-17						
+L-077-04/5	Kotin, Robert M.		Boeringer Ingelheim Pharma	10-Aug-17						
+L-077-04/5	Smith, Richard H.		Boeringer Ingelheim Pharma	10-Aug-17						
+L-077-04/5	Urabe, Masashi		Boeringer Ingelheim Pharma	10-Aug-17						
+L-221-02/0	Kajigaya, Sachiko		Stichting Contacten (SCB)	16-Aug-17						
+L-221-02/0	Shimada, Takashi		Stichting Contacten (SCB)	16-Aug-17						
+L-221-02/0	Young, Neal		Stichting Contacten (SCB)	16-Aug-17						
+L-029-12/0	NHLBI		Koninklijke Philips Electronics NV	29-Aug-17						
+L-029-12/0	Derbyshire, John Andrew	(b)(4);	Koninklijke Philips Electronics NV	29-Aug-17						
+L-029-12/0	(b) (4)	(b)(6)	Koninklijke Philips Electronics NV	29-Aug-17						
+L-029-12/0	McVeigh, Elliott R		Koninklijke Philips Electronics NV	29-Aug-17						
+L-029-12/0	Nezafat, Reza		Koninklijke Philips Electronics NV	29-Aug-17						

NIH Patent Licensing Activities
NHLBI
September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
+L-300-17/0	Ding, Chuan-Tian	(b)(4);	LogicBio Therapeutics	1-Sep-17						(b) (3) (A), (b) (4), (b) (6)
+L-300-17/0	Kotin, Robert M.	(b)(6)	LogicBio Therapeutics	1-Sep-17						

+L-300-17/0	Urabe, Masashi	(b)(4); (b)(6)	LogicBio Therapeutics	1-Sep-17
+L-105-12/0	Ding, Chuantian		Genethon	5-Sep-17
+L-105-12/0	Kotin, Robert M.		Genethon	5-Sep-17
+L-105-12/0	Urabe, Masashi		Genethon	5-Sep-17
+L-105-12/0	Ding, Chuantian		Genethon	5-Sep-17
+L-105-12/0	Kotin, Robert M.		Genethon	5-Sep-17
+L-105-12/0	Urabe, Masashi		Genethon	5-Sep-17

(b) (3) (A), (b) (4), (b) (6)



\$485,885.60	\$39,947.08	\$525,832.68	\$173,158.43	\$352,674.25
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* denotes an adjustment to fix a problem from a previous month
+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIA
April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License	Inventor Awards April	Net Remaining to IC	
								Cumulative Income			
*+L-328-14/0	Doyle, Maire E	(b)(4);	Novo Nordisk A/S	11-Apr-17						(b) (3) (A), (b) (4), (b) (6)	
*+L-328-14/0	Egan, Josephine M	(b)(6)	Novo Nordisk A/S	11-Apr-17							
*+L-328-14/0	Greig, Nigel H		Novo Nordisk A/S	11-Apr-17							
*+L-328-14/0	Holloway, Harold		Novo Nordisk A/S	11-Apr-17							
*+L-328-14/0	Perry, Tracy Ann		Novo Nordisk A/S	11-Apr-17							
*+L-102-13/0	Hodes, Richard J		EXBIO Praha	13-Apr-17							
<i>Note: L-102-13/0 split between NCI; NIA</i>											
*+L-079-17/0	Matarin Jimenez, Maria Del Mar		VuEssence, Inc.	17-Apr-17							
*+L-079-17/0	Singleton, Andrew B.		VuEssence, Inc.	17-Apr-17							
<i>Note: L-079-17/0 split between NIA; NINDS; NINR</i>											
*+L-079-17/0	Matarin Jimenez, Maria Del Mar		VuEssence, Inc.	18-Apr-17							
*+L-079-17/0	Singleton, Andrew B.		VuEssence, Inc.	18-Apr-17							
<i>Note: L-079-17/0 split between NIA; NINDS; NINR</i>											
*+L-079-17/0	Matarin Jimenez, Maria Del Mar		VuEssence, Inc.	18-Apr-17							
*+L-079-17/0	Singleton, Andrew B.		VuEssence, Inc.	18-Apr-17							
<i>Note: L-079-17/0 split between NIA; NINDS; NINR</i>											
*+L-079-17/0	NIA		VuEssence, Inc.	18-Apr-17							
<i>Note: L-079-17/0 split between NIA; NINDS; NINR</i>											

NIH Patent Licensing Activities
NIA
May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License	Inventor Awards May	Net Remaining to IC	
								Cumulative Income			
+L-132-17/0	Matarin Jimenez, Maria Del Mar	(b)(4);	CereDx Inc.	30-May-17						(b) (3) (A), (b) (4), (b) (6)	
+L-132-17/0	Singleton, Andrew B.	(b)(6)	CereDx Inc.	30-May-17							
<i>Note: L-132-17/0 split between NIA; NINDS; NINR</i>											
+L-132-17/0	Matarin Jimenez, Maria Del Mar		CereDx Inc.	30-May-17							
+L-132-17/0	Singleton, Andrew B.		CereDx Inc.	30-May-17							
<i>Note: L-132-17/0 split between NIA; NINDS; NINR</i>											

NIH Patent Licensing Activities
NIA
June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License	Inventor Awards June	Net Remaining to IC
								Cumulative Income		
+L-277-00/1	Egan, Josephine M	(b)(4);	Amylin Pharma.	1-Jun-17						(b) (3) (A), (b) (4), (b) (6)
+L-277-00/1	Greig, Nigel H	(b)(6)	Amylin Pharma.	1-Jun-17						
+L-277-00/1	Holloway, Harold		Amylin Pharma.	1-Jun-17						
+L-277-00/1		(b) (4)	Amylin Pharma.	1-Jun-17						
+L-277-00/1	Passanti, Antonio		Amylin Pharma.	1-Jun-17						
+L-277-00/1	Perfetti, Riccardo		Amylin Pharma.	1-Jun-17						
+L-025-17/0	Moaddel, Ruin		Tocris Bioscience	5-Jun-17						
<i>Note: L-025-17/0 split between NCATS; NIA; NIMH</i>										
+L-277-00/1	NIA		Amylin Pharma.	19-Jun-17						

NIH Patent Licensing Activities

NIA

July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License	Inventor Awards July	Net Remaining to IC
								Cumulative Income		
+L-074-07/0	Ko, Minoru S.	(b)(4);	ohns Hopkins University	5-Jul-17						(b) (3) (A), (b) (4), (b) (6)
+L-074-07/0	Longo, Dan L	(b)(6)	ohns Hopkins University	5-Jul-17						
+L-281-14/0	NIA		Peptron, Inc	25-Jul-17						

NIH Patent Licensing Activities

NIA

August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License	Inventor Awards August	Net Remaining to IC
								Cumulative Income		
+L-025-17/0	Moaddel, Ruin	(b)(4);	Tocris Bioscience	1-Aug-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-025-17/0 split between NCATS; NIA; NIMH</i>										
+L-025-17/0	Moaddel, Ruin	(b)(6)	Tocris Bioscience	1-Aug-17						
<i>Note: L-025-17/0 split between NCATS; NIA; NIMH</i>										

NIH Patent Licensing Activities

NIA

September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License	Inventor Awards September	Net Remaining to IC		
								Cumulative Income				
								\$58,114.25	\$38,340.28	\$96,454.53	\$14,571.23	\$81,883.30

* denotes an adjustment to fix a problem from a previous month

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities

NIAAA

April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
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NIH Patent Licensing Activities

NIAAA

May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
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NIH Patent Licensing Activities

NIAAA

June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
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NIH Patent Licensing Activities

NIAAA

July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
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NIH Patent Licensing Activities

NIAAA

August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
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+L-194-05/1	Kunos, George I	(b)(4); (b)(6)	Tocris Bioscience	1-Aug-17						(b) (3) (A), (b) (4), (b) (6)
+L-276-17/0	Cinar, Resat		Vital Spark Inc.	30-Aug-17						
+L-276-17/0	Iyer, Malliga R.		Vital Spark Inc.	30-Aug-17						
+L-276-17/0	Kunos, George I		Vital Spark Inc.	30-Aug-17						
<i>Note: L-276-17/0 split between NIAAA; NIDA</i>										
+L-276-17/0	NIAAA		Vital Spark Inc.	30-Aug-17						

Note: L-276-17/0 split between NIAAA; NIDA

NIH Patent Licensing Activities
 NIAAA
 September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
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- [Redacted] (b) (3) (A), (b) (4), (b) (6)
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+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
 NIAID
 April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License	Inventor Awards April	Net Remaining to IC
								Cumulative Income		
*+L-142-07/2	Mackett, Michael	(b)(4);	Transgene S.A.	1-Apr-17						(b) (3) (A), (b) (4), (b) (6)
*+L-142-07/2	Moss, Bernard	(b)(6)	Transgene S.A.	1-Apr-17						
*+L-142-07/2	Smith, Geoffrey L		Transgene S.A.	1-Apr-17						
*+L-070-16/1	Akahata, Wataru		PaxVax, Inc.	3-Apr-17						
*+L-070-16/1	Nabel, Gary J		PaxVax, Inc.	3-Apr-17						
*+L-070-16/1	Rao, Srinivas		PaxVax, Inc.	3-Apr-17						
*+L-070-16/1	Sullivan, Nancy J		PaxVax, Inc.	3-Apr-17						
*+L-070-16/1	Yang, Zhi-Yong		PaxVax, Inc.	3-Apr-17						
<i>Note: L-070-16/1 split between CDC; NIAID</i>										
*+L-015-10/0	Ohara, Junichi		Millipore Corporation	4-Apr-17						
*+L-015-10/0	Paul, (b) (6) William E.		Millipore Corporation	4-Apr-17						
*+L-225-94/4	Siebenlist, Ulrich		Upstate	4-Apr-17						
*+L-114-09/0	Blaney, Jr., Joseph E		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Hanley, Kathryn		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Lai, Ching-Juh		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Murphy, Brian R.		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Whitehead, Stephen S.		Co for Vaccine and Bio Productin	5-Apr-17						
<i>Note: L-114-09/0 split between FDA; NIAID</i>										
*+L-114-09/0	Blaney, Jr., Joseph E		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Hanley, Kathryn		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Lai, Ching-Juh		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Murphy, Brian R.		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Whitehead, Stephen S.		Co for Vaccine and Bio Productin	5-Apr-17						
<i>Note: L-114-09/0 split between FDA; NIAID</i>										
*+L-114-09/0	Blaney, Jr., Joseph E		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Hanley, Kathryn		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Lai, Ching-Juh		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Murphy, Brian R.		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Whitehead, Stephen S.		Co for Vaccine and Bio Productin	5-Apr-17						
<i>Note: L-114-09/0 split between FDA; NIAID</i>										
*+L-114-09/0	Blaney, Jr., Joseph E		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Hanley, Kathryn		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Lai, Ching-Juh		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Murphy, Brian R.		Co for Vaccine and Bio Productin	5-Apr-17						
*+L-114-09/0	Whitehead, Stephen S.		Co for Vaccine and Bio Productin	5-Apr-17						
<i>Note: L-114-09/0 split between FDA; NIAID</i>										
*+L-135-13/0	NIAID		Biologics	5-Apr-17						
<i>Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK</i>										
*+L-069-10/1	Chanock, (b) (6) Robert	(b)(4);	Beijing Zhongyuan Ltd	10-Apr-17						
*+L-069-10/1	Hoshino, Yasutaka	(b)(6)	Beijing Zhongyuan Ltd	10-Apr-17						
*+L-069-10/1	Kapikian, (b) (6) Albert Z		Beijing Zhongyuan Ltd	10-Apr-17						
*+L-069-10/1	Chanock, (b) (6) Robert		Beijing Zhongyuan Ltd	10-Apr-17						

Patent Number	Inventor(s)	Applicant	Effective Date	Redaction Code
*+L-069-10/1	Hoshino, Yasutaka	(b)(4); Beijing Zhongyuan Ltd	10-Apr-17	(b) (3) (A), (b) (4), (b) (6)
*+L-069-10/1	Kapikian, (b) (6) Albert Z	(b)(6) Beijing Zhongyuan Ltd	10-Apr-17	
*+L-079-93/2	Ohara, Junichi	BD Biosciences - BD PharMingen	11-Apr-17	
*+L-079-93/2	Paul, (b) (6) William E.	BD Biosciences - BD PharMingen	11-Apr-17	
*+L-074-91/2	Harriman, Gregory R.	Becton Dickinson & Subsidiary PharMingen	11-Apr-17	
*+L-074-91/2	Kunimoto, Dennis Y.	Becton Dickinson & Subsidiary PharMingen	11-Apr-17	
*+L-074-91/2	Paul, (b) (6) William E.	Becton Dickinson & Subsidiary PharMingen	11-Apr-17	
*+L-074-91/2	Strober, Warren	Becton Dickinson & Subsidiary PharMingen	11-Apr-17	
*+L-099-17/0	Akin, Cem	Eli Lilly and Company	11-Apr-17	
*+L-099-17/0	Kirshenbaum, Arnold	Eli Lilly and Company	11-Apr-17	
*+L-099-17/0	Metcalfe, Dean D	Eli Lilly and Company	11-Apr-17	
*+L-099-17/0	Akin, Cem	Eli Lilly and Company	11-Apr-17	
*+L-099-17/0	Kirshenbaum, Arnold	Eli Lilly and Company	11-Apr-17	
*+L-099-17/0	Metcalfe, Dean D	Eli Lilly and Company	11-Apr-17	
*+L-179-15/0	Mackett, Michael	Regeneron Pharmaceuticals, Inc.	11-Apr-17	
*+L-179-15/0	Moss, Bernard	Regeneron Pharmaceuticals, Inc.	11-Apr-17	
*+L-179-15/0	Smith, Geoffrey L	Regeneron Pharmaceuticals, Inc.	11-Apr-17	
*+L-241-13/0	Shevach, Ethan M	Tonbo Biotechnologies Corp	11-Apr-17	
*+L-066-14/0	Akin, Cem	Allakos, Inc.	12-Apr-17	
*+L-066-14/0	Kirshenbaum, Arnold	Allakos, Inc.	12-Apr-17	
*+L-066-14/0	Metcalfe, Dean D	Allakos, Inc.	12-Apr-17	
*+L-101-14/0	DeVico, Angela M.	EXBIO Praha	13-Apr-17	
*+L-101-14/0	Korty, Patricia E.	EXBIO Praha	13-Apr-17	
*+L-101-14/0	Shevach, Ethan M	EXBIO Praha	13-Apr-17	
*+L-021-10/0	Long, Eric O.	EXBIO Praha	13-Apr-17	
*+L-021-10/0	Rajagopalan, Sumati	EXBIO Praha	13-Apr-17	
*+L-174-05/6	Chanock, (b) (6) Robert	Aridis Pharmaceuticals, LLC	14-Apr-17	
*+L-174-05/6	Hoshino, Yasutaka	Aridis Pharmaceuticals, LLC	14-Apr-17	
*+L-174-05/6	Kapikian, (b) (6) Albert Z	Aridis Pharmaceuticals, LLC	14-Apr-17	
*+L-200-05/6	NIAID	Wuhan Institute of Bio. Prod.	18-Apr-17	
*+L-080-06/3	NIAID	Panacea Biotech Ltd.	24-Apr-17	
<i>Note: L-080-06/3 split between FDA; NIAID</i>				
*+L-080-06/3	Blaney, Jr., Joseph E	(b)(4); Panacea Biotech Ltd.	25-Apr-17	
*+L-080-06/3	Hanley, Kathryn	(b)(6) Panacea Biotech Ltd.	25-Apr-17	
*+L-080-06/3	Lai, Ching-Juh	Panacea Biotech Ltd.	25-Apr-17	
*+L-080-06/3	Murphy, Brian R.	Panacea Biotech Ltd.	25-Apr-17	
*+L-080-06/3	Whitehead, Stephen S.	Panacea Biotech Ltd.	25-Apr-17	
<i>Note: L-080-06/3 split between FDA; NIAID</i>				

License	Inventor	Inventor		Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License	Inventor Awards	Net Remaining to
		Share %	Licensee					Cumulative Income		
*+L-061-13/0	NIAID		BioFactura, Inc.	1-May-17						(b) (3) (A), (b) (4), (b) (6)
+L-051-98/0	Ahuja, Sunil K.	(b)(4);	Genzyme, Inc.	1-May-17						
+L-051-98/0	Alkhatib, Ghalib	(b)(6)	Genzyme, Inc.	1-May-17						
+L-051-98/0	Bazan, Hernan		Genzyme, Inc.	1-May-17						
+L-051-98/0	Berger, Edward A.		Genzyme, Inc.	1-May-17						
+L-051-98/0	Broder, Christopher		Genzyme, Inc.	1-May-17						
+L-051-98/0	Combadiere, Christophe		Genzyme, Inc.	1-May-17						
+L-051-98/0	Feng, Yu		Genzyme, Inc.	1-May-17						
+L-051-98/0	Gao, Jiliang		Genzyme, Inc.	1-May-17						
+L-051-98/0	Kennedy, Paul		Genzyme, Inc.	1-May-17						
+L-051-98/0	Murphy, Philip M.		Genzyme, Inc.	1-May-17						
+L-051-98/0	Pease, James		Genzyme, Inc.	1-May-17						
+L-051-98/0	Sen, Anita		Genzyme, Inc.	1-May-17						
+L-051-98/0	Tiffany, H. Lee		Genzyme, Inc.	1-May-17						
<i>Note: L-051-98/0 split between NIAID; NIMH</i>										
+L-053-17/0	Connors, Mark		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Hogerkor, Carl-Magnus		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Kwong, Peter D.		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Li, Yuxing		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Mascola, John R.		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Nabel, Gary J		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	OFEK, GILAD A		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Roederer, Mario		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Shapiro, Lawrence		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Wu, Xueling		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Wyatt, Richard T.		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Yang, Zhi-Yong		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Zhou, Tongqing		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Zhu, Jiang		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Connors, Mark		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Hogerkor, Carl-Magnus		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Kwong, Peter D.		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Li, Yuxing		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Mascola, John R.		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Nabel, Gary J		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	OFEK, GILAD A		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Roederer, Mario		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Shapiro, Lawrence		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Connors, Mark		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Hogerkor, Carl-Magnus		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Kwong, Peter D.		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Li, Yuxing		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Mascola, John R.		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Nabel, Gary J		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	OFEK, GILAD A		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Roederer, Mario		Viiv Healthcare UK (No.5) Ltd	1-May-17						
+L-053-17/0	Shapiro, Lawrence		Viiv Healthcare UK (No.5) Ltd	1-May-17						

+L-053-17/0	Wu, Xueling	(b)(4);	ViiV Healthcare UK (No.5) Ltd	1-May-17
+L-053-17/0	Wyatt, Richard T.	(b)(6)	ViiV Healthcare UK (No.5) Ltd	1-May-17
+L-053-17/0	Yang, Zhi-Yong		ViiV Healthcare UK (No.5) Ltd	1-May-17
+L-053-17/0	Zhou, Tongqing		ViiV Healthcare UK (No.5) Ltd	1-May-17
+L-053-17/0	Zhu, Jiang		ViiV Healthcare UK (No.5) Ltd	1-May-17
+L-108-07/1	Caldwell, Harlan D		Santa Cruz Biot., Inc.	8-May-17
+L-108-07/1	Morrison, Richard P.		Santa Cruz Biot., Inc.	8-May-17
+L-031-08/1	Shevach, Ethan M		Santa Cruz Biotechnology Inc	8-May-17
+L-197-05/5	NIAID		Serum Institute of India	8-May-17
+L-228-16/0	Adachi, Akio	(b)(4);	YiiV Healthca re Comp any	8-May-17
+L-228-16/0	Folks, Thomas M	(b)(6)	YiiV Healthca re Comp any	8-May-17
+L-228-16/0	Leonard, John M.		YiiV Healthca re Comp any	8-May-17
+L-228-16/0	Martin, Malcolm A		YiiV Healthca re Comp any	8-May-17
+L-228-16/0	Rabson, Arnold B.		YiiV Healthca re Comp any	8-May-17
+L-228-16/0	Rutledge, Rosamond A.		YiiV Healthca re Comp any	8-May-17
+L-228-16/0	Theodore, (b) (6) Theodore S		YiiV Healthca re Comp any	8-May-17
+L-228-16/0	Willey, Ronald L.		YiiV Healthca re Comp any	8-May-17
+L-228-16/0	Adachi, Akio		YiiV Healthca re Comp any	8-May-17
+L-228-16/0	Folks, Thomas M		YiiV Healthca re Comp any	8-May-17
+L-228-16/0	Leonard, John M.		YiiV Healthca re Comp any	8-May-17
+L-228-16/0	Martin, Malcolm A		YiiV Healthca re Comp any	8-May-17
+L-228-16/0	Rabson, Arnold B.		YiiV Healthca re Comp any	8-May-17
+L-228-16/0	Rutledge, Rosamond A.		YiiV Healthca re Comp any	8-May-17
+L-228-16/0	Theodore, (b) (6) Theodore S		YiiV Healthca re Comp any	8-May-17
+L-228-16/0	Willey, Ronald L.		YiiV Healthca re Comp any	8-May-17
+L-107-17/0	Akin, Cem		Kangstem Biotech Co., Ltd.	15-May-17
+L-107-17/0	Kirshenbaum, Arnold		Kangstem Biotech Co., Ltd.	15-May-17
+L-107-17/0	Metcalfe, Dean D		Kangstem Biotech Co., Ltd.	15-May-17
+L-107-17/0	Akin, Cem		Kangstem Biotech Co., Ltd.	15-May-17
+L-107-17/0	Kirshenbaum, Arnold		Kangstem Biotech Co., Ltd.	15-May-17
+L-107-17/0	Metcalfe, Dean D		Kangstem Biotech Co., Ltd.	15-May-17
+L-228-16/0	Adachi, Akio		YiiV Healthca re Comp any	16-May-17
+L-228-16/0	Folks, Thomas M		YiiV Healthca re Comp any	16-May-17
+L-228-16/0	Leonard, John M.		YiiV Healthca re Comp any	16-May-17
+L-228-16/0	Martin, Malcolm A		YiiV Healthca re Comp any	16-May-17
+L-228-16/0	Rabson, Arnold B.		YiiV Healthca re Comp any	16-May-17
+L-228-16/0	Rutledge, Rosamond A.		YiiV Healthca re Comp any	16-May-17
+L-228-16/0	Theodore, (b) (6) Theodore S		YiiV Healthca re Comp any	16-May-17
+L-228-16/0	Willey, Ronald L.		YiiV Healthca re Comp any	16-May-17
+L-217-16/0	Blaney, Jr., Joseph E		ndian Immunologicals Ltd	18-May-17
+L-217-16/0	Hanley, Kathryn		ndian Immunologicals Ltd	18-May-17
+L-217-16/0	Lai, Ching-Juh		ndian Immunologicals Ltd	18-May-17
+L-217-16/0	Murphy, Brian R.		ndian Immunologicals Ltd	18-May-17
+L-217-16/0	Whitehead, Stephen S.		ndian Immunologicals Ltd	18-May-17
<i>Note: L-217-16/0 split between FDA; NIAID</i>				
+L-101-85/0	Mackett, Michael		ZOETIS	24-May-17
+L-101-85/0	Moss, Bernard		ZOETIS	24-May-17
+L-101-85/0	Smith, Geoffrey L		ZOETIS	24-May-17

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NIAID
June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License	Inventor Awards June	Net Remaining to IC
								Cumulative Income		
+L-166-05/1	Chanock, (b) (6) Robert	(b)(4);	Bharat Biotech Ltd	1-Jun-17						(b) (3) (A), (b) (4), (b) (6)
+L-166-05/1	Hoshino, Yasutaka	(b)(6)	Bharat Biotech Ltd	1-Jun-17						
+L-166-05/1	Kapikian, (b) (6) Albert Z		Bharat Biotech Ltd	1-Jun-17						
+L-126-15/0	Cheng, Cheng		GlaxoSmithKline Biologicals, S.A.	7-Jun-17						
+L-126-15/0	(b) (6) Clement K. Asiedu		GlaxoSmithKline Biologicals, S.A.	7-Jun-17						
+L-126-15/0	Huang, (b) (6) Yue		GlaxoSmithKline Biologicals, S.A.	7-Jun-17						
+L-126-15/0	Mackett, Michael		GlaxoSmithKline Biologicals, S.A.	7-Jun-17						
+L-126-15/0	Moss, Bernard		GlaxoSmithKline Biologicals, S.A.	7-Jun-17						
+L-126-15/0	Nabel, Gary J		GlaxoSmithKline Biologicals, S.A.	7-Jun-17						
+L-126-15/0	Smith, Geoffrey L		GlaxoSmithKline Biologicals, S.A.	7-Jun-17						
+L-126-15/0	Sullivan, Nancy J		GlaxoSmithKline Biologicals, S.A.	7-Jun-17						
+L-126-15/0	Yang, Zhi-Yong		GlaxoSmithKline Biologicals, S.A.	7-Jun-17						
<i>Note: L-126-15/0 split between CDC; NIAID</i>										
+L-138-16/0	Biacchesi, Stephanie		Merck Sharp & Dohme Corp.	13-Jun-17						
+L-138-16/0	Buchholz, Ursula		Merck Sharp & Dohme Corp.	13-Jun-17						
+L-138-16/0	Collins, Peter L.		Merck Sharp & Dohme Corp.	13-Jun-17						
+L-207-13/1	Cheng, Cheng		Hookipa Biotech AG	13-Jun-17						
+L-207-13/1	Mangalampalli, Venkata R.		Hookipa Biotech AG	13-Jun-17						
+L-207-13/1	Merritt, Joshua S.		Hookipa Biotech AG	13-Jun-17						
+L-207-13/1	Schwartz, Richard M.		Hookipa Biotech AG	13-Jun-17						
+L-207-13/1	Wycuff, Diane L.		Hookipa Biotech AG	13-Jun-17						
+L-197-05/5	Chanock, (b) (6) Robert		Serum Institute of India	14-Jun-17						
+L-197-05/5	Hoshino, Yasutaka		Serum Institute of India	14-Jun-17						
+L-197-05/5	Kapikian, (b) (6) Albert Z		Serum Institute of India	14-Jun-17						
+L-312-01/0	Ohara, Junichi		Mabtech AB	15-Jun-17						
+L-312-01/0	Paul, (b) (6) William E.		Mabtech AB	15-Jun-17						
+L-025-13/1	Collins, Peter L.		Merck Sharp and Dohme Research Labs.	19-Jun-17						
+L-113-09/1	Bray, Michael		Inviragen, Inc.	20-Jun-17						
+L-113-09/1	Chanock, (b) (6) Robert		Inviragen, Inc.	20-Jun-17						
+L-113-09/1	Eckels, Kenneth H		Inviragen, Inc.	20-Jun-17						
+L-113-09/1	Lai, Ching-Juh		Inviragen, Inc.	20-Jun-17						
+L-113-09/1	Men, Ruhe		Inviragen, Inc.	20-Jun-17						
+L-113-09/1	Pletnev, Alexander G		Inviragen, Inc.	20-Jun-17						
+L-113-09/1	Zhang, Yi-Ming		Inviragen, Inc.	20-Jun-17						
+L-245-94/1	Folks, Thomas M		Boston Biomedics	20-Jun-17						
+L-245-94/1	Martin, Malcolm A		Boston Biomedics	20-Jun-17						
+L-245-94/1	Powell, Douglas M		Boston Biomedics	20-Jun-17						
<i>Note: L-245-94/1 split between NCI; NIAID</i>										
+L-245-94/1	Folks, Thomas M		Boston Biomedics	20-Jun-17						
+L-245-94/1	Martin, Malcolm A		Boston Biomedics	20-Jun-17						
+L-245-94/1	Powell, Douglas M		Boston Biomedics	20-Jun-17						
<i>Note: L-245-94/1 split between NCI; NIAID</i>										

+L-200-05/6	Chanock, (b) (6) Robert	(b)(4);	Wuhan Institute of Bio. Prod.	23-Jun-17	(b) (3) (A), (b) (4), (b) (6)
+L-200-05/6	Hoshino, Yasutaka	(b)(6)	Wuhan Institute of Bio. Prod.	23-Jun-17	
+L-200-05/6	Kapikian, (b) (6) Albert Z		Wuhan Institute of Bio. Prod.	23-Jun-17	
+L-061-13/0	Chen, Zhao Chun		BioFactura, Inc.	26-Jun-17	
+L-061-13/0	Emerson, Suzanne U.		BioFactura, Inc.	26-Jun-17	
+L-061-13/0	Moss, Bernard		BioFactura, Inc.	26-Jun-17	
+L-061-13/0	Purcell, Robert H		BioFactura, Inc.	26-Jun-17	
+L-061-13/0	Chen, Zhao Chun		BioFactura, Inc.	26-Jun-17	
+L-061-13/0	Emerson, Suzanne U.		BioFactura, Inc.	26-Jun-17	
+L-061-13/0	Moss, Bernard		BioFactura, Inc.	26-Jun-17	
+L-061-13/0	Purcell, Robert H		BioFactura, Inc.	26-Jun-17	
+L-061-13/0	Chen, Zhao Chun		BioFactura, Inc.	26-Jun-17	
+L-061-13/0	Emerson, Suzanne U.		BioFactura, Inc.	26-Jun-17	
+L-061-13/0	Moss, Bernard		BioFactura, Inc.	26-Jun-17	
+L-061-13/0	Purcell, Robert H		BioFactura, Inc.	26-Jun-17	
+L-199-17/0	Akahata, Wataru		nfectious Disease Research Institute	27-Jun-17	
+L-199-17/0	Nabel, Gary J		nfectious Disease Research Institute	27-Jun-17	
+L-199-17/0	Rao, Srinivas		nfectious Disease Research Institute	27-Jun-17	
+L-199-17/0	Yang, Zhi-Yong		nfectious Disease Research Institute	27-Jun-17	

NIH Patent Licensing Activities
NIAID
July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	License			Inventor Awards July	Net Remaining to IC
					% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Cumulative Total July Income		
+L-099-14/2	Garboczi, David	(b)(4);	KeraFAST	7-Jul-17				(b) (3) (A), (b) (4), (b) (6)	
+L-099-14/2	Lantz, Larry	(b)(6)	KeraFAST	7-Jul-17					
+L-099-14/2	Leppla, Stephen H.		KeraFAST	7-Jul-17					
+L-099-14/2	Leysath, Clinton E.		KeraFAST	7-Jul-17					
+L-099-14/2	Phillips, Damilola D.		KeraFAST	7-Jul-17					
+L-093-05/4	Chakrabarti, Bimal K		Crucell Holland BV	7-Jul-17					
+L-093-05/4	Cheng, Cheng		Crucell Holland BV	7-Jul-17					
+L-093-05/4	(b) (6) Clement K. Asiedu		Crucell Holland BV	7-Jul-17					
+L-093-05/4	Huang, (b) (6) Yue		Crucell Holland BV	7-Jul-17					
+L-093-05/4	Mackett, Michael		Crucell Holland BV	7-Jul-17					
+L-093-05/4	Moss, Bernard		Crucell Holland BV	7-Jul-17					
+L-093-05/4	Nabel, Gary J		Crucell Holland BV	7-Jul-17					
+L-093-05/4	Smith, Geoffrey L		Crucell Holland BV	7-Jul-17					
+L-093-05/4	Sullivan, Nancy J		Crucell Holland BV	7-Jul-17					
+L-093-05/4	Ward, Lucy A.		Crucell Holland BV	7-Jul-17					
+L-093-05/4	Yang, Zhi-Yong		Crucell Holland BV	7-Jul-17					
Note: L-093-05/4 split between CDC; NIAID									
+L-079-93/2	Ohara, Junichi		BD Biosciences - BD PharMingen	11-Jul-17					
+L-079-93/2	Paul, (b) (6) William E.		BD Biosciences - BD PharMingen	11-Jul-17					
+L-074-91/2	Harriman, Gregory R.		Becton Dickinson & Subsidiary PharMingen	11-Jul-17					
+L-074-91/2	Kunimoto, Dennis Y.		Becton Dickinson & Subsidiary PharMingen	11-Jul-17					
+L-074-91/2	Paul, (b) (6) William E.		Becton Dickinson & Subsidiary PharMingen	11-Jul-17					
+L-074-91/2	Strober, Warren		Becton Dickinson & Subsidiary PharMingen	11-Jul-17					

+L-226-14/0	Nutman, Thomas B.	(b)(4); (b)(6)	Focus Diagnostics, Inc.	18-Jul-17
+L-115-00/2	Cheung, Yiu Chong Gordon	(b)(4); (b)(6)	List Biological Laboratories, Inc.	25-Jul-17
+L-115-00/2	Gupta, Pradeep K.		List Biological Laboratories, Inc.	25-Jul-17
+L-115-00/2	Hsu, Su-Cheng Dana		List Biological Laboratories, Inc.	25-Jul-17
+L-115-00/2	Hu, Haijing		List Biological Laboratories, Inc.	25-Jul-17
+L-115-00/2	Leppla, Stephen H.		List Biological Laboratories, Inc.	25-Jul-17
+L-115-00/2	Leysath, Clinton E.		List Biological Laboratories, Inc.	25-Jul-17
+L-115-00/2	Moayeri, Mahtab		List Biological Laboratories, Inc.	25-Jul-17
+L-115-00/2	Pomerantsev, Andrei P		List Biological Laboratories, Inc.	25-Jul-17

Note: L-115-00/2 split between NIAID; NIDCR

(b) (3) (A), (b) (4), (b) (6)

**NIH Patent Licensing Activities
NIAID
August 2017**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
+L-009-06/0	Collins, Peter L.	(b)(4); (b)(6)	Apath, LLC	1-Aug-17						(b) (3) (A), (b) (4), (b) (6)
+L-037-06/0	Bukh, Jens	(b)(4); (b)(6)	Apath, LLC	1-Aug-17						(b) (3) (A), (b) (4), (b) (6)
+L-037-06/0	Emerson, Suzanne U.		Apath, LLC	1-Aug-17						
+L-037-06/0	Purcell, Robert H		Apath, LLC	1-Aug-17						
+L-037-06/0	Yanagi, Masayuki		Apath, LLC	1-Aug-17						
+L-078-11/0	Mackett, Michael		CEVA Biomune	1-Aug-17						
+L-078-11/0	Moss, Bernard		CEVA Biomune	1-Aug-17						
+L-078-11/0	Smith, Geoffrey L		CEVA Biomune	1-Aug-17						
+L-225-94/4	Siebenlist, Ulrich		Upstate	2-Aug-17						
+L-265-98/1	Bray, Michael		Sanofi Pasteur Biologics Co	2-Aug-17						
+L-265-98/1	Chanock, (b) (6) Robert		Sanofi Pasteur Biologics Co	2-Aug-17						
+L-265-98/1	Eckels, Kenneth H	Sanofi Pasteur Biologics Co	2-Aug-17							
+L-265-98/1	Lai, Ching-Juh	Sanofi Pasteur Biologics Co	2-Aug-17							
+L-265-98/1	Men, Ruhe	Sanofi Pasteur Biologics Co	2-Aug-17							
+L-265-98/1	Pletnev, Alexander G	Sanofi Pasteur Biologics Co	2-Aug-17							
+L-265-98/1	Zhang, Yi-Ming	Sanofi Pasteur Biologics Co	2-Aug-17							
+L-072-09/1	Long, Eric O.	BioLegend	15-Aug-17							
+L-072-09/1	Rajagopalan, Sumati	BioLegend	15-Aug-17							
+L-162-08/1	Sun, Peter D	BioLegend	15-Aug-17							
+L-162-08/1	Zou, Zhongcheng	BioLegend	15-Aug-17							

Note: L-162-08/1 split between NCI; NIAID

+L-115-00/2	Cheung, Yiu Chong Gordon	(b)(4); (b)(6)	ist Biological Laboratories, Inc.	15-Aug-17
+L-115-00/2	Gupta, Pradeep K.		ist Biological Laboratories, Inc.	15-Aug-17
+L-115-00/2	Hsu, Su-Cheng Dana		ist Biological Laboratories, Inc.	15-Aug-17
+L-115-00/2	Hu, Haijing		ist Biological Laboratories, Inc.	15-Aug-17
+L-115-00/2	Leppla, Stephen H.		ist Biological Laboratories, Inc.	15-Aug-17
+L-115-00/2	Leysath, Clinton E.		ist Biological Laboratories, Inc.	15-Aug-17
+L-115-00/2	Moayeri, Mahtab		ist Biological Laboratories, Inc.	15-Aug-17
+L-115-00/2	Pomerantsev, Andrei P		ist Biological Laboratories, Inc.	15-Aug-17

Note: L-115-00/2 split between NIAID; NIDCR

License	Inventor	Inventor Share %	Licensee	Date of Deposit	Notes
+L-111-15/1	NIAID		Codagenix Inc.	16-Aug-17	(b) (3) (A), (b) (4), (b) (6)
+L-111-15/1	Brock, Linda G.	(b)(4);	Codagenix Inc.	16-Aug-17	
+L-111-15/1	Buchholz, Ursula	(b)(6)	Codagenix Inc.	16-Aug-17	
+L-111-15/1	Collins, Peter L.		Codagenix Inc.	16-Aug-17	
+L-111-15/1	DiNapoli, Joshua M.		Codagenix Inc.	16-Aug-17	
+L-111-15/1	Le Nouen, Cyril J.		Codagenix Inc.	16-Aug-17	
+L-111-15/1	(b) (4)		Codagenix Inc.	16-Aug-17	
+L-037-06/0	NIAID		Apath, LLC	22-Aug-17	
+L-028-11/1	Akin, Cem	(b)(4);	Amgen	22-Aug-17	
+L-028-11/1	Kirshenbaum, Arnold	(b)(6)	Amgen	22-Aug-17	
+L-028-11/1	Metcalfe, Dean D		Amgen	22-Aug-17	
+L-070-16/1	NIAID		PaxVax, Inc.	29-Aug-17	
<i>Note: L-070-16/1 split between CDC; NIAID</i>					
+L-154-06/0	Mackett, Michael	(b)(4);	Merial Limited	30-Aug-17	
+L-154-06/0	Moss, Bernard	(b)(6)	Merial Limited	30-Aug-17	
+L-154-06/0	Smith, Geoffrey L		Merial Limited	30-Aug-17	

NIH Patent Licensing Activities
NIAID
September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
+L-144-14/0	NIAID		Novartis	6-Sep-17						(b) (3) (A), (b) (4)
+L-035-13/0	NIAID		GlaxoSmithKline	12-Sep-17						
<i>Note: L-035-13/0 split between FDA; NIAID</i>										
+L-111-15/1	NIAID		Codagenix Inc.	13-Sep-17						
					\$1,646,502.57	\$158,319.94	\$1,804,822.51		\$402,320.21	\$1,402,502.30

* denotes an adjustment to fix a problem from a previous month

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
 NIAMS
 April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
*+L-164-93/0	Kinet, Jean-Pierre	(b)(4);	Harvard University & Hoffmann La Roche	3-Apr-17						(b) (3) (A), (b) (4), (b) (6)

Note: L-164-93/0 split between NIAMS; NIDCR

NIH Patent Licensing Activities
 NIAMS
 May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC

NIH Patent Licensing Activities
 NIAMS
 June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC

NIH Patent Licensing Activities
 NIAMS
 July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC

NIH Patent Licensing Activities
 NIAMS
 August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC

NIH Patent Licensing Activities
 NIAMS
 September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC

(b) (3) (A), (b) (4), (b) (6)

* denotes an adjustment to fix a problem from a previous month

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NIH Patent Licensing Activities

NIBIB

April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License	Inventor Awards April	Net Remaining to IC
								Cumulative Income		
*+L-010-16/1	Chen, Xiaoyuan	(b)(4);	AbbVie	24-Apr-17						(b) (3) (A), (b) (4), (b) (6)
*+L-010-16/1	Lang, Lixin	(b)(6)	AbbVie	24-Apr-17						
*+L-010-16/1	Niu, Gang		AbbVie	24-Apr-17						

NIH Patent Licensing Activities

NIBIB

May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License	Inventor Awards May	Net Remaining to IC
								Cumulative Income		
+L-045-04/1	Bungay, Peter M	(b)(4); (b)	Trevigen, Inc.	16-May-17						(b) (3) (A), (b) (4), (b) (6)

Note: L-045-04/1 split between NCI; NIBIB

NIH Patent Licensing Activities

NIBIB

June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License	Inventor Awards June	Net Remaining to IC
								Cumulative Income		
+L-256-14/0	NIBIB		VisiTech International	22-Jun-17						(b) (3) (A), (b) (4)

Note: L-256-14/0 split between NHLBI; NIBIB

NIH Patent Licensing Activities

NIBIB

July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License	Inventor Awards July	Net Remaining to IC
								Cumulative Income		

NIH Patent Licensing Activities

NIBIB

August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License	Inventor Awards August	Net Remaining to IC
								Cumulative Income		

(b) (3) (A), (b) (4), (b) (6)

+L-087-07/1 NIBIB MedGenesis Therapeutix 9-Aug-17
Note: L-087-07/1 split between NCI; NIBIB; NINDS

+L-045-04/1 Bungay, Peter M (b)(4); (b) Trevigen, Inc. 15-Aug-17
Note: L-045-04/1 split between NCI; NIBIB

+L-318-01/0 NIBIB Arcturus 29-Aug-17
Note: L-318-01/0 split between CIT; NIBIB; NICHD

NIH Patent Licensing Activities

NIBIB

September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
					\$8,516.00	\$6,638.17	\$15,154.17		\$3,195.26	\$11,958.91

* denotes an adjustment to fix a problem from a previous month

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities

NICHD

April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative	Inventor Awards April	Net Remaining to IC						
								Income								
*+L-105-98/4	Samelson, Lawrence	(b)(4);	EMD Millipore Corporation	4-Apr-17						(b) (3) (A), (b) (4), (b) (6)						
*+L-105-98/4	Zhang, Weiguo	(b)(6)	EMD Millipore Corporation	4-Apr-17												
*+L-255-02/2	Huang, Freesia		Upstate USA, Inc.	4-Apr-17												
*+L-255-02/2	Huang, Kuo-Ping		Upstate USA, Inc.	4-Apr-17												
*+L-135-13/0	NICHD		Biologics	5-Apr-17												
<i>Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK</i>																
*+L-009-05/1	Robbins, John B.	(b)(4);	Snaofi Pasteur	12-Apr-17												
*+L-009-05/1	Schneerson, Rachel	(b)(6)	Snaofi Pasteur	12-Apr-17												
*+L-009-05/1	Szu, Shousun C		Snaofi Pasteur	12-Apr-17												
<i>Note: L-009-05/1 split between NCI; NICHD; NIDDK</i>																

NIH Patent Licensing Activities

NICHD

May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative	Inventor Awards May	Net Remaining to IC
								Income		
+L-132-04/2	Klein, David C.	(b)(4);	Santa Cruz Biotechnology Inc	8-May-17						(b) (3) (A), (b) (4), (b) (6)
+L-132-04/2	Moffett, John R	(b)(6)	Santa Cruz Biotechnology Inc	8-May-17						
+L-132-04/2	Namboodiri, Aryan M		Santa Cruz Biotechnology Inc	8-May-17						
+L-132-04/2	Roseboom, Patrick		Santa Cruz Biotechnology Inc	8-May-17						
+L-132-04/2	Weller, Joan		Santa Cruz Biotechnology Inc	8-May-17						
+L-167-17/0	NICHD		Cyprium Therapeutics Inc.	31-May-17						
+L-167-17/0	Kaler, Stephen G.	(b)(4); (b)(6)	yprium Therapeutics Inc.	31-May-17						
+L-193-17/0	Chou, Janice Y.		RISPR Therapeutics AG	31-May-17						

NIH Patent Licensing Activities

NICHD

June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative	Inventor Awards June	Net Remaining to IC
								Income		
+L-354-98/9	NICHD		Repros Therapeutics, Inc.	20-Jun-17						(b) (3) (A), (b) (4)

NIH Patent Licensing Activities
 NICHD
 July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License	Inventor Awards July	Net Remaining to IC
								Cumulative Income		
+L-251-17/0	Chou, Janice Y.	(b)(4); (b)(6)	RaNA Therapeutics	18-Jul-17						(b) (3) (A), (b) (4), (b) (6)
+L-251-17/0	Chou, Janice Y.		RaNA Therapeutics	18-Jul-17						
+L-230-17/0	Chou, Janice Y.		RaNA Therapeutics	18-Jul-17						
+L-230-17/0	Chou, Janice Y.		RaNA Therapeutics	18-Jul-17						
+L-354-98/9	NICHD		Repros Therapeutics, Inc.	25-Jul-17						

NIH Patent Licensing Activities
 NICHD
 August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License	Inventor Awards August	Net Remaining to IC
								Cumulative Income		
+L-105-98/4	Samelson, Lawrence	(b)(4);	EMD Millipore Corporation	2-Aug-17						(b) (3) (A), (b) (4), (b) (6)
+L-105-98/4	Zhang, Weiguo	(b)(6)	EMD Millipore Corporation	2-Aug-17						
+L-215-14/0	Bridson, William E.		Quest Diagnostics, Inc.	21-Aug-17						
+L-215-14/0	Hertz, Roy		Quest Diagnostics, Inc.	21-Aug-17						
+L-215-14/0	Kingfield, Joyce G.		Quest Diagnostics, Inc.	21-Aug-17						
+L-215-14/0	Kohler, Peter O		Quest Diagnostics, Inc.	21-Aug-17						
+L-215-14/0	Bridson, William E.		Quest Diagnostics, Inc.	21-Aug-17						
+L-215-14/0	Hertz, Roy		Quest Diagnostics, Inc.	21-Aug-17						
+L-215-14/0	Kingfield, Joyce G.		Quest Diagnostics, Inc.	21-Aug-17						
+L-215-14/0	Kohler, Peter O		Quest Diagnostics, Inc.	21-Aug-17						
+L-354-98/9	NICHD		Repros Therapeutics, Inc.	22-Aug-17						
+L-318-01/0	NICHD		Arcturus	29-Aug-17						

Note: L-318-01/0 split between CIT; NIBIB; NICHD

NIH Patent Licensing Activities
 NICHD
 September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
+L-026-13/1	Blithe, Diana L.	(b)(4):	Preglem SA	1-Sep-17						(b) (3) (A), (b) (4), (b) (6)
+L-026-13/1	Nieman, Lynnette K.	(b)(6)	Preglem SA	1-Sep-17						
					\$561,287.72	\$203,577.18	\$764,864.90		\$136,755.37	\$628,109.53

* denotes an adjustment to fix a problem from a previous month

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIDA
April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC	
*+L-070-03/2	Wise, Roy A	(b)(4);	Brainsway, Inc.	3-Apr-17						(b) (3) (A), (b) (4), (b) (6)	
*+L-070-03/2	Zangen, Abraham	(b)(6)	Brainsway, Inc.	3-Apr-17							
<i>Note: L-070-03/2 split between NIDA; NINDS</i>											
*+L-070-03/2	Wise, Roy A		Brainsway, Inc.	3-Apr-17							
*+L-070-03/2	Zangen, Abraham		Brainsway, Inc.	3-Apr-17							
<i>Note: L-070-03/2 split between NIDA; NINDS</i>											

NIH Patent Licensing Activities
NIDA
May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
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NIH Patent Licensing Activities
NIDA
June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
+L-256-16/0	Backman, Christina M	(b)(4);	Circuit Therapeutics, Inc	22-Jun-17						(b) (3) (A), (b) (4), (b) (6)
+L-256-16/0	Tomac, Andreas C	(b)(6)	Circuit Therapeutics, Inc	22-Jun-17						

NIH Patent Licensing Activities
NIDA
July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
+L-245-17/0	Cao, Jianjing	(b)(4);	Braeburn Pharmaceuticals Inc.	25-Jul-17						(b) (3) (A), (b) (4), (b) (6)
+L-245-17/0	Cyriac, George C.	(b)(6)	Braeburn Pharmaceuticals Inc.	25-Jul-17						
+L-245-17/0	Grundt, Peter		Braeburn Pharmaceuticals Inc.	25-Jul-17						
+L-245-17/0	Newman, Amy H.		Braeburn Pharmaceuticals Inc.	25-Jul-17						
+L-245-17/0	Cao, Jianjing		Braeburn Pharmaceuticals Inc.	25-Jul-17						
+L-245-17/0	Cyriac, George C.		Braeburn Pharmaceuticals Inc.	25-Jul-17						
+L-245-17/0	Grundt, Peter		Braeburn Pharmaceuticals Inc.	25-Jul-17						
+L-245-17/0	Newman, Amy H.		Braeburn Pharmaceuticals Inc.	25-Jul-17						

+L-245-17/0	NIDA		Braeburn Pharmaceuticals Inc.	25-Jul-17	(b) (3) (A), (b) (4), (b) (6)
+L-220-17/0	Kumar, Vivek	(b)(4); (b)(6)	Braeburn Pharmaceuticals Inc.	25-Jul-17	
+L-220-17/0	Newman, Amy H.	(6)	Braeburn Pharmaceuticals Inc.	25-Jul-17	
+L-220-17/0	Shaik, Anerbasha		Braeburn Pharmaceuticals Inc.	25-Jul-17	
+L-220-17/0	Kumar, Vivek		Braeburn Pharmaceuticals Inc.	25-Jul-17	
+L-220-17/0	Newman, Amy H.		Braeburn Pharmaceuticals Inc.	25-Jul-17	
+L-220-17/0	Shaik, Anerbasha		Braeburn Pharmaceuticals Inc.	25-Jul-17	
+L-220-17/0	NIDA		Braeburn Pharmaceuticals Inc.	25-Jul-17	

NIH Patent Licensing Activities

NIDA

August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
+L-070-03/2	NIDA		Brainsway, Inc.	2-Aug-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-070-03/2 split between NIDA; NINDS</i>										
+L-276-17/0	Rice, Kenner C.	(b)(4); (b)(6)	Vital Spark Inc.	30-Aug-17						
<i>Note: L-276-17/0 split between NIAAA; NIDA</i>										
+L-276-17/0	NIDA		Vital Spark Inc.	30-Aug-17						
<i>Note: L-276-17/0 split between NIAAA; NIDA</i>										

NIH Patent Licensing Activities

NIDA

September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
					\$55,812.22	\$79,399.80	\$135,212.02		\$14,083.19	\$121,128.83

* denotes an adjustment to fix a problem from a previous month

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIDCD
April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
*+L-154-16/0	Griffith, Andrew J.	(b)(4); (b)(6)	EMD Millipore	11-Apr-17						(b) (3) (A), (b) (4), (b) (6)
*+L-154-16/0	Labay, Valentia	(6)	EMD Millipore	11-Apr-17						
*+L-154-16/0	Makishima, Tomoko		EMD Millipore	11-Apr-17						
*+L-084-10/0	NIDCD		Senomyx Inc	21-Apr-17						
+L-084-10/0	Drayna, Dennis T.	(b)(4); (b)(6)	Senomyx Inc	21-Apr-17						
+L-084-10/0	Kim, Un-kyung	(6)	Senomyx Inc	21-Apr-17						
+L-084-10/0	(b) (4)		Senomyx Inc	21-Apr-17						

NIH Patent Licensing Activities
NIDCD
May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
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NIH Patent Licensing Activities
NIDCD
June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
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NIH Patent Licensing Activities
NIDCD
July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
+L-111-06/0	Selbie, W. Scott	(b)(4); (b)(6)	ICAD Inc	11-Jul-17						(b) (3) (A), (b) (4), (b) (6)

Note: L-111-06/0 split between CC; CIT; NIDCD

NIH Patent Licensing Activities
NIDCD

August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
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NIH Patent Licensing Activities
NIDCD
September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
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					\$25,176.82	\$3,606.00	\$28,782.82		\$7,982.61	\$20,800.21
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* denotes an adjustment to fix a problem from a previous month
+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIDCR
April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License	Inventor Awards April	Net Remaining to IC
								Cumulative Income		
*+L-164-93/0	Siraganian, Reuben	(b)(4); (b)(6)	Harvard University & Hoffmann La Roche	3-Apr-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-164-93/0 split between NIAMS; NIDCR</i>										
*+L-135-13/0	NIDCR		Biologics	5-Apr-17						
<i>Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK</i>										
*+L-089-05/0	Fisher, Larry	(b)(4);	Santa Cruz Biotechnology Inc	13-Apr-17						
*+L-089-05/0	Robey, Pamela G.	(b)(6)	Santa Cruz Biotechnology Inc	13-Apr-17						
*+L-089-05/0	Termine, John D		Santa Cruz Biotechnology Inc	13-Apr-17						
*+L-089-05/0	Young, Marian F.		Santa Cruz Biotechnology Inc	13-Apr-17						
*+L-089-05/0	Fisher, Larry		Santa Cruz Biotechnology Inc	13-Apr-17						
*+L-089-05/0	Robey, Pamela G.		Santa Cruz Biotechnology Inc	13-Apr-17						
*+L-089-05/0	Termine, John D		Santa Cruz Biotechnology Inc	13-Apr-17						
*+L-089-05/0	Young, Marian F.		Santa Cruz Biotechnology Inc	13-Apr-17						
*+L-089-05/0	Fisher, Larry		Santa Cruz Biotechnology Inc	13-Apr-17						
*+L-089-05/0	Robey, Pamela G.		Santa Cruz Biotechnology Inc	13-Apr-17						
*+L-089-05/0	Termine, John D		Santa Cruz Biotechnology Inc	13-Apr-17						
*+L-089-05/0	Young, Marian F.		Santa Cruz Biotechnology Inc	13-Apr-17						

NIH Patent Licensing Activities
NIDCR
May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License	Inventor Awards May	Net Remaining to IC
								Cumulative Income		
+L-103-04/0	Keith, Jerry M	(b)(4);	Bharat Biotech Inter.	1-May-17						(b) (3) (A), (b) (4), (b) (6)
+L-103-04/0	Merkel, Todd J.	(b)(6)	Bharat Biotech Inter.	1-May-17						
+L-103-04/0	Yang, Xiaoming		Bharat Biotech Inter.	1-May-17						
+L-032-11/1	Iadarola, Michael J.		Sorrento Therapeutics, Inc	8-May-17						
+L-032-11/1	Karai, Laszlo J		Sorrento Therapeutics, Inc	8-May-17						
+L-032-11/1	Olah, Zoltan		Sorrento Therapeutics, Inc	8-May-17						
+L-153-07/1	Fisher, Larry		Santa Cruz Biotech., Inc.	8-May-17						
+L-153-07/1	Fisher, Larry		Santa Cruz Biotech., Inc.	8-May-17						

NIH Patent Licensing Activities
NIDCR
June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License	Inventor Awards June	Net Remaining to IC
								Cumulative Income		
+L-111-17/0	Akiyama, Steven	(b)(4);	BD Biosciences	16-Jun-17					(b) (3) (A), (b) (4), (b) (6)	
+L-111-17/0	Yamada, Kenneth	(b)(6)	BD Biosciences	16-Jun-17						
+L-182-17/0	Kulkarni, Ashok		Freeline Therapeutics Limited	19-Jun-17						
+L-182-17/0	Ohshima, Toshio		Freeline Therapeutics Limited	19-Jun-17						
<i>Note: L-182-17/0 split between NIDCR; NINDS</i>										
+L-182-17/0	Kulkarni, Ashok		Freeline Therapeutics Limited	19-Jun-17						
+L-182-17/0	Ohshima, Toshio		Freeline Therapeutics Limited	19-Jun-17						
<i>Note: L-182-17/0 split between NIDCR; NINDS</i>										

NIH Patent Licensing Activities
NIDCR
July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License	Inventor Awards July	Net Remaining to IC
								Cumulative Income		
+L-152-17/0	Akiyama, Steven	(b)(4);	EMD Millipore Corporation	1-Jul-17					(b) (3) (A), (b) (4), (b) (6)	
+L-152-17/0	Yamada, Kenneth	(b)(6)	EMD Millipore Corporation	1-Jul-17						
+L-152-17/0	Yamada, Susan Sleeper		EMD Millipore Corporation	1-Jul-17						
+L-024-17/1	Fisher, Larry		KeraFAST	17-Jul-17						
+L-115-00/2	Leppla, Stephen H.		List Biological Laboratories, Inc.	25-Jul-17						
<i>Note: L-115-00/2 split between NIAID; NIDCR</i>										

NIH Patent Licensing Activities
NIDCR
August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License	Inventor Awards August	Net Remaining to IC
								Cumulative Income		
+L-088-12/0	NIDCR		Sangamo BioSciences Inc	1-Aug-17					(b) (3) (A), (b) (4), (b) (6)	
<i>Note: L-088-12/0 split between NHLBI; NIDCR</i>										
+L-343-01/0	Keith, Jerry M	(b)(4);	List Biological Laboratories, Inc.	15-Aug-17						
+L-343-01/0	Merkel, Todd J.	(b)(6)	List Biological Laboratories, Inc.	15-Aug-17						
+L-343-01/0	Yang, Xiaoming		List Biological Laboratories, Inc.	15-Aug-17						
+L-115-00/2	Leppla, Stephen H.		List Biological Laboratories, Inc.	15-Aug-17						
<i>Note: L-115-00/2 split between NIAID; NIDCR</i>										

NIH Patent Licensing Activities
NIDCR
September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
					\$65,698.76	\$0.00	\$65,698.76		\$16,237.55	\$49,461.21

* denotes an adjustment to fix a problem from a previous month

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIDDK
April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC	
*+L-149-17/0	Oral, Elif A.	(b)(4);	Aegerion Pharmaceuticals, Inc.	4-Apr-17						(b) (3) (A), (b) (4), (b) (6)	
*+L-149-17/0	Taylor, Simeon	(b)(6)	Aegerion Pharmaceuticals, Inc.	4-Apr-17							
*+L-135-13/0	NIDDK		Biologics	5-Apr-17							
<i>Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK</i>											
*+L-009-05/1	Shiloach, Joseph	(b)(4);	Snaofi Pasteur	12-Apr-17							
<i>Note: L-009-05/1 split between NCI; NICHD; NIDDK</i>											
*+L-010-02/1	Sauer, Brian	(b)(4);	Sigma-Aldrich	13-Apr-17							
*+L-132-12/1	Chandramohan, Dhruva	(b)(4);	Metalogics Corp	25-Apr-17							
*+L-132-12/1	Chou, Carson C.	(b)(6)	Metalogics Corp	25-Apr-17							
*+L-132-12/1	Hall, Kevin		Metalogics Corp	25-Apr-17							
*+L-204-99/1	Jacobson, Kenneth A	(b)(4);	University of Virginia Patent Found.	26-Apr-17							

NIH Patent Licensing Activities
NIDDK
May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
+L-190-17/0	Wess, Jurgen	(b)(4);	Janssen Pharmaceuticals, Inc.	1-May-17						(b) (3) (A), (b) (4), (b) (6)
+L-190-17/0	Yamada, Masahisa	(b)(6)	Janssen Pharmaceuticals, Inc.	1-May-17						
+L-129-15/0	Proia, Richard L	(b)(4);	Genzyme Corporation	1-May-17						

NIH Patent Licensing Activities
NIDDK
June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
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NIH Patent Licensing Activities
NIDDK
July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
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(b) (3) (A), (b) (4), (b) (6)

+L-240-17/0 Schechter, Alan N. (b)(4); (b)(6) United Therapeutics Corporation 1-Jul-17
Note: L-240-17/0 split between CC; NHLBI; NIDDK; NINDS

+L-132-12/2 NIDDK Metalogics Corp 5-Jul-17

NIH Patent Licensing Activities
NIDDK
August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
+L-265-02/0	Jacobson, Kenneth A	(b)(4); (b)(6)	Tocris Cookson, Ltd.	1-Aug-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-265-02/0 split between NCI; NIDDK</i>										
+L-236-98/0	Jacobson, Kenneth A	(b)(4); (b)(6)	Tocris Cookson, Limited	1-Aug-17						
+L-236-98/0	Jiang, Ji-Long	(b)(4); (b)(6)	Tocris Cookson, Limited	1-Aug-17						
+L-236-98/0	Karton, Yishai	(b)(4); (b)(6)	Tocris Cookson, Limited	1-Aug-17						
+L-236-98/0	Kim, Yong-Chul	(b)(4); (b)(6)	Tocris Cookson, Limited	1-Aug-17						
+L-236-98/0	Van Rhee, Albert M	(b)(4); (b)(6)	Tocris Cookson, Limited	1-Aug-17						
+L-236-98/0	Jacobson, Kenneth A	(b)(4); (b)(6)	Tocris Cookson, Limited	1-Aug-17						
+L-236-98/0	Jiang, Ji-Long	(b)(4); (b)(6)	Tocris Cookson, Limited	1-Aug-17						
+L-236-98/0	Karton, Yishai	(b)(4); (b)(6)	Tocris Cookson, Limited	1-Aug-17						
+L-236-98/0	Kim, Yong-Chul	(b)(4); (b)(6)	Tocris Cookson, Limited	1-Aug-17						
+L-236-98/0	Van Rhee, Albert M	(b)(4); (b)(6)	Tocris Cookson, Limited	1-Aug-17						
+L-240-17/0	Schechter, Alan N.	(b)(4); (b)(6)	United Therapeutics Corporation	1-Aug-17						
<i>Note: L-240-17/0 split between CC; NHLBI; NIDDK; NINDS</i>										
+L-240-17/0	NIDDK		United Therapeutics Corporation	1-Aug-17						
<i>Note: L-240-17/0 split between CC; NHLBI; NIDDK; NINDS</i>										
+L-082-13/1	NIDDK		Cornovus Pharmaceuticals	2-Aug-17						
<i>Note: L-082-13/1 split between NCI; NIDDK</i>										
+L-283-17/0	Jacobson, Kenneth A	(b)(4); (b)(6)	Tocris Cookson Ltd.	8-Aug-17						
+L-283-17/0	Tosh, Dilip K.	(b)(4); (b)(6)	Tocris Cookson Ltd.	8-Aug-17						
+L-283-17/0	Jacobson, Kenneth A	(b)(4); (b)(6)	Tocris Cookson Ltd.	8-Aug-17						
+L-283-17/0	Tosh, Dilip K.	(b)(4); (b)(6)	Tocris Cookson Ltd.	8-Aug-17						

NIH Patent Licensing Activities
NIDDK
September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
					\$140,221.66	\$5,807.72	\$146,029.38		\$31,818.61	\$114,210.77

* denotes an adjustment to fix a problem from a previous month

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIEHS
April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
*+L-065-01/0	Baek, Seung Joon	(b)(4);	Upstate Biotechnology, Inc.	4-Apr-17						(b) (3) (A), (b) (4), (b) (6)
*+L-065-01/0	DiAugustine, Richard P	(b)(6)	Upstate Biotechnology, Inc.	4-Apr-17						
*+L-065-01/0	Eling, Thomas E		Upstate Biotechnology, Inc.	4-Apr-17						
*+L-010-05/4	DiAugustine, Richard P		Millipore Corporation	4-Apr-17						
*+L-010-05/4	Teng, Christina T.		Millipore Corporation	4-Apr-17						

NIH Patent Licensing Activities
NIEHS
May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
+L-052-13/0	Baek, Seung Joon	(b)(4); (b)	Amgen, Inc.	12-May-17						(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NIEHS
June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
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NIH Patent Licensing Activities
NIEHS
July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
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NIH Patent Licensing Activities
NIEHS
August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
+L-036-15/1	Copeland, William	(b)(4);	Alnylam Pharmaceuticals, INC.	2-Aug-17						(b) (3) (A), (b) (4), (b) (6)
+L-036-15/1	Kasiswanathan, Rajesh	(b)(6)	Alnylam Pharmaceuticals, INC.	2-Aug-17						
+L-036-15/1	Lim, Susan E.		Alnylam Pharmaceuticals, INC.	2-Aug-17						

NIH Patent Licensing Activities
 NIEHS
 September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
					\$14,500.00	\$0.00	\$14,500.00		\$4,725.00	\$9,775.00

* denotes an adjustment to fix a problem from a previous month
 + denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIMH
April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC
*+L-018-10/0	Manji, Hussein K.	(b)(4);	Mount Sinai Med Cntr	1-Apr-17						(b) (3) (A), (b) (4), (b) (6)
*+L-018-10/0	Zarate, Carlos A.	(b)(6)	Mount Sinai Med Cntr	1-Apr-17						
*+L-231-94/3	Jacobowitz, David		Millipore Sigma	4-Apr-17						
*+L-231-94/3	Strauss, Kenneth I		Millipore Sigma	4-Apr-17						
*+L-231-94/3	Winsky, Lois		Millipore Sigma	4-Apr-17						
*+L-274-97/1	Jacobowitz, David		Chemicon International	4-Apr-17						
*+L-274-97/1	Winsky, Lois		Chemicon International	4-Apr-17						
*+L-165-97/2	Jacobowitz, David		Millipore Sigma	4-Apr-17						
*+L-165-97/2	Winsky, Lois		Millipore Sigma	4-Apr-17						
*+L-088-17/0	Cohen, Robert M.		Eli Lilly and Company	11-Apr-17						
*+L-088-17/0	Ye, Daniel		Eli Lilly and Company	11-Apr-17						

NIH Patent Licensing Activities
NIMH
May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
+L-051-98/0	Bonner, Tom I	(b)(4);	Genzyme, Inc.	1-May-17						(b) (3) (A), (b) (4), (b) (6)
+L-051-98/0	Lautens, Laura	(b)(6)	Genzyme, Inc.	1-May-17						
<i>Note: L-051-98/0 split between NIAID; NIMH</i>										
+L-261-16/0	Eiden, Maribeth V.	(b)(4);	Fred Hutchinson Cancer Research Center	10-May-17						(b) (3) (A), (b) (4), (b) (6)
+L-261-16/0	Wilson, Carolyn A.	(b)(6)	Fred Hutchinson Cancer Research Center	10-May-17						

NIH Patent Licensing Activities
NIMH
June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
+L-025-17/0	Zarate, Carlos A.	(b)(4);	Tocris Bioscience	5-Jun-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-025-17/0 split between NCATS; NIA; NIMH</i>										

NIH Patent Licensing Activities
NIMH
July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
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NIH Patent Licensing Activities
NIMH
August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
+L-025-17/0	Zarate, Carlos A.	(b)(4);	Tocris Bioscience	1-Aug-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-025-17/0 split between NCATS; NIA; NIMH</i>										
+L-025-17/0	Zarate, Carlos A.	(b)(4);	ocris Bioscience	1-Aug-17						
<i>Note: L-025-17/0 split between NCATS; NIA; NIMH</i>										

NIH Patent Licensing Activities
NIMH
September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
					\$42,545.61	\$0.00	\$42,545.61		\$11,565.90	\$30,979.71

* denotes an adjustment to fix a problem from a previous month
+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NINDS
April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC	
*+L-070-03/2	Hallett, Mark	(b)(4);	Brainsway, Inc.	3-Apr-17						(b) (3) (A), (b) (4), (b) (6)	
*+L-070-03/2	Miranda, Pedro	(b)(6)	Brainsway, Inc.	3-Apr-17							
*+L-070-03/2	Roth, Yiftach		Brainsway, Inc.	3-Apr-17							
<i>Note: L-070-03/2 split between NIDA; NINDS</i>											
*+L-070-03/2	Hallett, Mark		Brainsway, Inc.	3-Apr-17							
*+L-070-03/2	Miranda, Pedro		Brainsway, Inc.	3-Apr-17							
*+L-070-03/2	Roth, Yiftach		Brainsway, Inc.	3-Apr-17							
<i>Note: L-070-03/2 split between NIDA; NINDS</i>											
*+L-309-02/1	Hou, Jean		Millipore Corp.	4-Apr-17							
*+L-309-02/1	Major, Eugene O		Millipore Corp.	4-Apr-17							
*+L-309-02/1	Messam, Conrad A		Millipore Corp.	4-Apr-17							
+L-087-99/1	Hsu, Yite		Sigma Israel Chemicals, LTD	13-Apr-17							
+L-087-99/1	Youle, Richard J.		Sigma Israel Chemicals, LTD	13-Apr-17							
*+L-079-17/0	Warach, Steven J.		VuEssence, Inc.	17-Apr-17							
<i>Note: L-079-17/0 split between NIA; NINDS; NINR</i>											
*+L-079-17/0	Warach, Steven J.		VuEssence, Inc.	18-Apr-17							
<i>Note: L-079-17/0 split between NIA; NINDS; NINR</i>											
*+L-079-17/0	Warach, Steven J.		VuEssence, Inc.	18-Apr-17							
<i>Note: L-079-17/0 split between NIA; NINDS; NINR</i>											
*+L-079-17/0	NINDS		VuEssence, Inc.	18-Apr-17							
<i>Note: L-079-17/0 split between NIA; NINDS; NINR</i>											

NIH Patent Licensing Activities
NINDS
May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC
+L-077-08/1	Hsu, Yite	(b)(4);	Santa Cruz Biotechnology Inc	1-May-17						(b) (3) (A), (b) (4), (b) (6)
+L-077-08/1	Youle, Richard J.	(b)(6)	Santa Cruz Biotechnology Inc	1-May-17						
+L-185-04/1	Hou, Jean		Mubio Products BV	2-May-17						
+L-185-04/1	Major, Eugene O		Mubio Products BV	2-May-17						
+L-185-04/1	Messam, Conrad A		Mubio Products BV	2-May-17						
+L-130-02/1	Hsu, Yite		Santa Cruz Biotechnology Inc	8-May-17						
+L-130-02/1	Youle, Richard J.		Santa Cruz Biotechnology Inc	8-May-17						

+L-130-02/1	Hsu, Yite	(b)(4);	Santa Cruz Biotechnology Inc	8-May-17	(b) (3) (A), (b) (4), (b) (6)
+L-130-02/1	Youle, Richard J.	(b)(6)	Santa Cruz Biotechnology Inc	8-May-17	
+L-031-04/1	Hou, Jean		Santa Cruz Biotechnology	8-May-17	
+L-031-04/1	Major, Eugene O		Santa Cruz Biotechnology	8-May-17	
+L-031-04/1	Messam, Conrad A		Santa Cruz Biotechnology	8-May-17	
+L-031-04/1	Hou, Jean		Santa Cruz Biotechnology	8-May-17	
+L-031-04/1	Major, Eugene O		Santa Cruz Biotechnology	8-May-17	
+L-031-04/1	Messam, Conrad A		Santa Cruz Biotechnology	8-May-17	
+L-123-04/2	Hsu, Yite		Santa Cruz Biotechnology Inc	8-May-17	
+L-123-04/2	Youle, Richard J.		Santa Cruz Biotechnology Inc	8-May-17	
+L-123-04/2	Hsu, Yite		Santa Cruz Biotechnology Inc	8-May-17	
+L-123-04/2	Youle, Richard J.		Santa Cruz Biotechnology Inc	8-May-17	
+L-181-04/2	Hou, Jean		Immuquest Ltd	10-May-17	
+L-181-04/2	Major, Eugene O		Immuquest Ltd	10-May-17	
+L-181-04/2	Messam, Conrad A		Immuquest Ltd	10-May-17	
+L-181-04/2	Hou, Jean		Immuquest Ltd	10-May-17	
+L-181-04/2	Major, Eugene O		Immuquest Ltd	10-May-17	
+L-181-04/2	Messam, Conrad A		Immuquest Ltd	10-May-17	
+L-198-17/0	Dobersen, Michael J		BioLegend	17-May-17	
+L-198-17/0	Hammer, Jeffrey A.		BioLegend	17-May-17	
+L-198-17/0	Noronha, Antonio B		BioLegend	17-May-17	
+L-198-17/0	Quarles, Richard H.		BioLegend	17-May-17	
+L-198-17/0	Dobersen, Michael J		BioLegend	17-May-17	
+L-198-17/0	Hammer, Jeffrey A.		BioLegend	17-May-17	
+L-198-17/0	Noronha, Antonio B		BioLegend	17-May-17	
+L-198-17/0	Quarles, Richard H.		BioLegend	17-May-17	
+L-132-17/0	Warach, Steven J.		CereDx Inc.	30-May-17	
<i>Note: L-132-17/0 split between NIA; NINDS; NINR</i>					
+L-132-17/0	Warach, Steven J.		CereDx Inc.	30-May-17	
<i>Note: L-132-17/0 split between NIA; NINDS; NINR</i>					

NIH Patent Licensing Activities

NINDS

June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	Financials			License Cumulative Income	Inventor Awards June	Net Remaining to IC
					% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income			
+L-083-11/0	Bielekova, Bibiana B	(b)(4);	Abbott Biotherapeutics Corp.	1-Jun-17					(b) (3) (A), (b) (4), (b) (6)	
+L-083-11/0	Martin, Roland	(b)(6)	Abbott Biotherapeutics Corp.	1-Jun-17						
+L-083-11/0	McFarland, Henry F.		Abbott Biotherapeutics Corp.	1-Jun-17						
<i>Note: L-083-11/0 split between NCI; NINDS</i>										

+L-236-17/0	Biddison, William E	(b)(4); (b)(6)	Absolute Antibody Ltd.	1-Jun-17	(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-236-17/0 split between NCI; NINDS</i>					
+L-182-17/0	Brady, (b) (6) Roscoe O	(b)(6)	Freeline Therapeutics Limited	19-Jun-17	
+L-182-17/0	Murray, Gary J		Freeline Therapeutics Limited	19-Jun-17	
<i>Note: L-182-17/0 split between NIDCR; NINDS</i>					
+L-182-17/0	Brady, (b) (6) Roscoe O	(b)(6)	Freeline Therapeutics Limited	19-Jun-17	
+L-182-17/0	Murray, Gary J		Freeline Therapeutics Limited	19-Jun-17	
<i>Note: L-182-17/0 split between NIDCR; NINDS</i>					

**NIH Patent Licensing Activities
NINDS
July 2017**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
+L-240-17/0	Oldfield, (b) (6) Edward H.	(b)(4);	United Therapeutics Corporation	1-Jul-17	(b) (3) (A), (b) (4), (b) (6)					
+L-240-17/0	Pluta, Ryszard M	(b)(6)	United Therapeutics Corporation	1-Jul-17						
<i>Note: L-240-17/0 split between CC; NHLBI; NIDDK; NINDS</i>										

**NIH Patent Licensing Activities
NINDS
August 2017**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
+L-121-08/0	Bankiewicz, Krystof S.	(b)(4);	Medtronic Inc	1-Aug-17	(b) (3) (A), (b) (4), (b) (6)					
+L-121-08/0	Lonser, Russell R	(b)(6)	Medtronic Inc	1-Aug-17						
+L-121-08/0	Oldfield, (b) (6) Edward H.	(b)(6)	Medtronic Inc	1-Aug-17						
<i>Note: L-121-08/0 split between NCI; NINDS</i>										
+L-083-11/0	Bielekova, Bibiana B	(b)(6)	Abbott Biotherapeutics Corp.	1-Aug-17	(b) (3) (A), (b) (4), (b) (6)					
+L-083-11/0	Martin, Roland		Abbott Biotherapeutics Corp.	1-Aug-17						
+L-083-11/0	McFarland, Henry F.		Abbott Biotherapeutics Corp.	1-Aug-17						
<i>Note: L-083-11/0 split between NCI; NINDS</i>										
+L-083-11/0	Bielekova, Bibiana B	Abbott Biotherapeutics Corp.	1-Aug-17							
+L-083-11/0	Martin, Roland	Abbott Biotherapeutics Corp.	1-Aug-17							
+L-083-11/0	McFarland, Henry F.	Abbott Biotherapeutics Corp.	1-Aug-17							
<i>Note: L-083-11/0 split between NCI; NINDS</i>										
+L-083-11/0	Bielekova, Bibiana B	Abbott Biotherapeutics Corp.	1-Aug-17							
+L-083-11/0	Martin, Roland	Abbott Biotherapeutics Corp.	1-Aug-17							
+L-083-11/0	McFarland, Henry F.	Abbott Biotherapeutics Corp.	1-Aug-17							
<i>Note: L-083-11/0 split between NCI; NINDS</i>										
+L-240-17/0	Oldfield, (b) (6) Edward H.	(b)(6)	United Therapeutics Corporation	1-Aug-17						
+L-240-17/0	Pluta, Ryszard M		United Therapeutics Corporation	1-Aug-17						
<i>Note: L-240-17/0 split between CC; NHLBI; NIDDK; NINDS</i>										

License	Inventor	Inventor Share %	Licensee	Date of Deposit	Notes
+L-240-17/0	NINDS		United Therapeutics Corporation	1-Aug-17	(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-240-17/0 split between CC; NHLBI; NIDDK; NINDS</i>					
+L-070-03/2	NINDS		Brainsway, Inc.	2-Aug-17	
<i>Note: L-070-03/2 split between NIDA; NINDS</i>					
+L-087-07/1	NINDS		MedGenesis Therapeutix	9-Aug-17	
<i>Note: L-087-07/1 split between NCI; NIBIB; NINDS</i>					
+L-083-11/0	Bielekova, Bibiana B	(b)(4);	Abbott Biotherapeutics Corp.	29-Aug-17	
+L-083-11/0	Martin, Roland	(b)(6)	Abbott Biotherapeutics Corp.	29-Aug-17	
+L-083-11/0	McFarland, Henry F.		Abbott Biotherapeutics Corp.	29-Aug-17	
<i>Note: L-083-11/0 split between NCI; NINDS</i>					
+L-083-11/0	Bielekova, Bibiana B		Abbott Biotherapeutics Corp.	29-Aug-17	
+L-083-11/0	Martin, Roland		Abbott Biotherapeutics Corp.	29-Aug-17	
+L-083-11/0	McFarland, Henry F.		Abbott Biotherapeutics Corp.	29-Aug-17	
<i>Note: L-083-11/0 split between NCI; NINDS</i>					

NIH Patent Licensing Activities
NINDS
September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
					\$758 508.13	\$33 182.78	\$791 690 91		\$191 205 39	\$600 485 52

* denotes an adjustment to fix a problem from a previous month
+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities

NINR

April 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total April Income	License Cumulative Income	Inventor Awards April	Net Remaining to IC						
*+L-079-17/0	Barr, Taura L.	(b)(4);	VuEssence, Inc.	17-Apr-17						(b) (3) (A), (b) (4), (b) (6)						
+L-079-17/0	(b) (4)	(b)(6)	VuEssence, Inc.	17-Apr-17												
<i>Note: L-079-17/0 split between NIA; NINDS; NINR</i>																
*+L-079-17/0	Barr, Taura L.	(b)(4); (b)	VuEssence, Inc.	18-Apr-17												
+L-079-17/0	(b) (4)	(6)	VuEssence, Inc.	18-Apr-17												
<i>Note: L-079-17/0 split between NIA; NINDS; NINR</i>																
*+L-079-17/0	Barr, Taura L.	(b)(4);	VuEssence, Inc.	18-Apr-17												
+L-079-17/0	(b) (4)	(b)(6)	VuEssence, Inc.	18-Apr-17												
<i>Note: L-079-17/0 split between NIA; NINDS; NINR</i>																
+L-079-17/0	NINR		VuEssence, Inc.	18-Apr-17												
<i>Note: L-079-17/0 split between NIA; NINDS; NINR</i>																

NIH Patent Licensing Activities

NINR

May 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total May Income	License Cumulative Income	Inventor Awards May	Net Remaining to IC						
+L-132-17/0	Barr, Taura L.	(b)(4); (b)	CereDx Inc.	30-May-17						(b) (3) (A), (b) (4), (b) (6)						
+L-132-17/0	(b) (4)	(6)	CereDx Inc.	30-May-17												
<i>Note: L-132-17/0 split between NIA; NINDS; NINR</i>																
+L-132-17/0	Barr, Taura L.	(b)(4); (b)	CereDx Inc.	30-May-17												
+L-132-17/0	(b) (4)	(6)	CereDx Inc.	30-May-17												
<i>Note: L-132-17/0 split between NIA; NINDS; NINR</i>																

NIH Patent Licensing Activities

NINR

June 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total June Income	License Cumulative Income	Inventor Awards June	Net Remaining to IC
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NIH Patent Licensing Activities

NINR
July 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total July Income	License Cumulative Income	Inventor Awards July	Net Remaining to IC
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NIH Patent Licensing Activities
NINR
August 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total August Income	License Cumulative Income	Inventor Awards August	Net Remaining to IC
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NIH Patent Licensing Activities
NINR
September 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total September Income	License Cumulative Income	Inventor Awards September	Net Remaining to IC
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(b) (3) (A), (b) (4), (b) (6)

* denotes an adjustment to fix a problem from a previous month
+ denotes a manual adjustment which has already been paid to the inventor

National Institutes of Health

Office of Financial Management

Royalties Semiannual Report -- Payments due to Inventors by IC -- Period ending: March 2018

CC	\$9,185.39
Baecher, Nicolai	(b) (3) (A), (b) (4), (b) (6)
Gladwin, Mark T.	
Jin, Jianjian	
Kwak, Jin Tae	
Lay, Nathan Stephan	
Liu, Jiamin	
Reinhard Roth, Holger	
Sabatino, Marianna V.	
Stroncek, David F.	
Summers, Ronald	
Tsehay, Yohannes Kebede	
Wood, Bradford J	
Xu, Sheng	
Yao, Jianhua	
CDC	\$305,007.56
Ades, Edwin W.	(b) (3) (A), (b) (4), (b) (6)
Albarino, Cesar G.	
Alisio, Carol H.	
Aloisio, Carol H.	
Amador, Manuel	
Anderson, Burt E.	
Anderson, Larry J.	
Ashley, Kevin E.	
Atwell-Melnick, Nikkol	
Barrera, Roberto	
Beall, David S.	
Beck, Eric T.	
Bellini, William J.	
Berman, LaShondra	

Bird, Brian H.
Birkness, Kristin A.
Bishop, Henry
Black, Charlotte M.
Black, Jodi B.
Boeniger, Mark F.
Boyer, Anne E.
Brand, Joy A.
Burns, Cara C.
Caba, Joseph J.
Campagnoli, Raymond
Carlone, George M.
Castro, Arnold R.
Chang, Gwong-Jen J.
Collins, Carlyn
Cox, Nancy J.
Cromeans, Theresa
Damon, Inger K.
Davis, Brent S.
Dawson, Jacqueline E.
Deslauries, Manon
Devos, Joshua R.
Dietrich, EB Gabrielle
Dolan, Marc C.
Donis, Ruben O.
Donlan, Rodney M.
Emery, Shannon L.
Erdman, Dean D.
Esposito, Joseph J.
Esswein, Eric J.
Fields, Howard A.
Freeman, Charlotte
Frey, Garrett S.
Gagnon, MariBeth

(b) (3) (A), (b) (4),
(b) (6)

Galland, Gale G.
Gentsch, Jon R.
George, Robert W.
Glass, Roger I.
Granade, Timothy C.
Hanlon, Cathleen
Harmon, Maurice
Hart, John C.
Hierholzer, John C.
Hill, Vincent R.
Hummer, Jon
Jiang, Baoming
Johnson, Barbara J.
Katz, Jacqueline M.
Kendal, Alan P.
Kennedy, Eugene R.
Kent, Rebekah J.
Kew, Olen M.
King, Grant W.
King, Peter
Kinney, Claire Huang
Kinney, Richard M.
Kirby, Wayne
Klimov, Alexander I.
Komar, Nicholas
Ksiazek, Thomas G.
Kulkarni, Pramod
Lange, James V.
Lee, Tommy
Lewis, Daniel M.
Lindstrom, Stephen
Lingappa, Jairam R.
Loftin, Lamorris
Lopez, Carlos

(b) (3) (A), (b) (4),
(b) (6)

Mackay, Andrew J.
Maddison, Shirley E.
Maher, Kaija
Mark W. Reimer (b) (6)
Mark W. Reimer (b) (6)
Martinez, Joseph E.
Maupin, Gary O.
McDougal, Steve
Miller, Arthur L.
Moore, Deborah D.
Murga, Ricardo
Murphy, William J.
Narayanan, Jothikumar
Nichol, Stuart T.
O'Connor, Steven
Oberste, M. Steven
Pallansch, Mark A.
Panella, Nicholas A.
Parekh, Bharat S.
Pau, Chou-Pong
Pellett, Philip E.
Peret, Teresa C.
Phillips, Donald
Qj, Chaolong
Quay, Jacqueline
Quinn, Frederick D.
Rains, Richard
Rajam, GowriSankar
Raudabaugh, William M.
Reid, Thomas M.
Reimer, Charles B.
Roehrig, John T.
Rupprecht, Charles E.
Russell, Harold

(b) (3) (A), (b) (4), (b) (6)

Saluzzo, Jean-francious
Sampson, Jacquelyn S.
Sanchez, Anthony
Schafer, Millie P.
Schantz, Peter M.
Schmechel, Detlef
Shaw, Jing
Shu, Bo
Skinner, Julile M.
Smith, Jean S.
Snawder, John E.
Snyder, Jay L.

(b) (4)

Steiner, Sandra
Stephenson, Mark R.
Stockdale, Carol
Striley, Cynthia A.
Summer, John
Sunderman, Carl B.
Taylor, Roger
Tharpe, Jean A.
Thibodeaux, Brett A.
Tsang, Victor C.
Tsou, Cecelia
Tuchman, Donald P.
Vinje, Jan
Volkwein, Jon C.
Wagar, Nicholas
Walls, Harriet
Wang, Yuhuan
Wang, Zhongde
Wei, Xierong
Wells, Thomas
Wilson, Marianna

(b) (3) (A), (b) (4),
(b) (6)

Wood, Gerry O.

Wu, Xianfu

Yager, Pamela

Yamamoto, Masahiro

Yang, Chunfu (Dustin)

Zhou, Zhiyong

CIT

(b) (3) (A), (b)
(4), (b) (6)

\$1,353.86

Cheng, Ruida

McAuliffe, Matthew

Pohida, Thomas J.

powell, john I

FDA

(b) (3) (A), (b)
(4), (b) (6)

\$24,633.16

Donnelly, Raymond P.

Falgout, Barry

Golding, Hana

Khurana, Surender

Markoff, Lewis

Petricoin, Emanuel

NCATS

(b) (3) (A), (b)
(4), (b) (6)

\$10,210.57

Auld, Douglas S.

Boxer, Matthew

Cheng, Chih-Chien (Ken)

Dranchak, Patricia Karen

Hasson, Samuel A.

Inglese, James

Jiang, Jian-kang

Marugan, Juan J.

Morris, Patrick

Patnaik, Samarjit

Shen, Min

Skoumbourdis, Amanda P.

Southall, Noel T.

Thomas, Craig J.

Zheng, Wei

(b) (3) (A), (b) (4),
(b) (6)

NCI

\$15,945,810.81

Aaronson, Stuart A.

Abrams, Scott I

Ahlers, Jeffrey D

Alimandi, Maurizio

Allegra, Carmen

(b) (4)

Antony, Paul A.

Aplan, Peter D.

Austin, Faye C.

Azimi, Nazli

Bagni- Beyer, Rachel K.

Bang, Sook-Hee

Barrett, J Carl

Barry, Todd

Bartlett, David L

Baskar, Sivasubramanian

Beers, Richard

Bergamaschi, Cristina

Bernardo, Marcelino L.

Berzofsky, Jay A.

Bianco, Caterina

Blair, Donald G

Bluestone, Jeffrey A

Blumberg, Peter M.

Bonner, William M

Bonomi, Carrie A.

Borgel, Suzanne D.

Boyd, Michael R.

Brechbiel, Martin W.

Brinkmann, Ulrich

Broadt, Trevor L.

Buck, Christopher

Bumb, Ambika

(b) (3) (A), (b)
(4), (b) (6)

Burgess, Rebecca C.

Bustin, Michael

Caplen, Natasha

(b) (4)

Chabner, Bruce A

Chackerian, Bryce

Chang, Kai

Chang, Nancy T.

Chen, Weizao

Cheng, Sheue-Yann

Chowdhury, Partha S

Choyke, Peter L

Chuaqui, Rodrigo

Chung, Jae Wook

Cohen, Cyrille J.

Colcher, David

Conrads, Thomas P

Copeland, Neal

Copeland, Terry D.

Costantino, Nina

Court, Donald

Crowl, Robert

(b) (4)

Custer, Mary

(b) (4)

Datta, Simanti

Dave, Sandeep

Day, Chi-Ping

Dimitrov, Dimiter S.

Doroshov, James H.

Dougherty, Kelly

Dubois, Sigrid

Dudley, Mark

Eberle, Jaime A

(b) (3) (A), (b) (4),
(b) (6)

Ellis, Hilary Moyed
Emmert-Buck, Michael R.
Erickson, John W.
Esposito, Dominic
Essand, Lars Magnus
(b) (6) Donald J. Giard
Felber, Barbara
Felber, Barbara K.
Feldman, Steven A
Feng, Mingqian
Finch, Paul W.
Fisher, Amanda G.
Fitzgerald, David J.
Fowler, Daniel
Franchini, Genoveffa
Fry, Terry
Gallo, Robert C.
Gao, Wei
Garmestani, Kayhan
Gartner, Suzanne
Gazdar, Adi F.
Gelboin, (b) (6) Harry
(b) (4)
Giardina, Steven
Gillette, William K.
Goldman, Carolyn
Gonzalez, Frank J
Gottesman, Michael M.
Greenstone, Heather L.
Greer, Matthew D.
Greiner, John W.
Gress, Ronald E.
Gritz, Linda R.
Gros, Alena

(b) (3) (A), (b) (4), (b) (6)

Grose, Carissa L.
Guedez, Liliana
Gulnik, Sergei V.
Gupta, Shanker Lal
Hahn, Beatrice
Hamilton, Thomas C
Hanada, Kenichi
Hand, Patricia H
Harris, Curtis C.
Hassan, Raffit
Hathcock, Karen
He, Xi
Hinrichs, Christian S.
Ho, Mitchell
Hodes, Richard
Hodge, James W.
Holderfield, Matthew T.
Hollingshead, Melinda G.
Hopkins, Ralph F.
Horie, Kyoji
Hwu, Patrick
(b) (4)
Irvine, Kari R.
Ise, Tomoko
Isenberg, Jeffrey
Issaq, Haleem J.
(b) (4)
Jaffe, Elaine
Janini, George
Jelinek, Ivett
Jenkins Copeland, Nancy A
Jiang, Guojian
Johnson, Bruce E
Johnston, Patrick G.

(b) (3) (A), (b) (4),
(b) (6)

Jung, Sun-Hee
Kalyanaraman, Vaniambadi S.
Kantor, Judith A.
Kawakami, Yutaka
Kaye, Frederic J
Keseling, Beverly G
Khan, Javed
Kheif, Samir N.
Khleif, Samir N.
King, Charles R.
Kirnbauer, Reinhard
Klee, Claude
Kobayashi, Hisataka
Kochenderfer, James N
Kozlov, Andrei P.
Kraus, (b) (6) Matthias
Krausz, Kristopher W.
Kreitman, Robert J
Kuan, Chien-Tsun
Landry, Joseph W.
Lantz, Valerie A
Lapointe, Rejean
Laszlo, Gloria
Lee, Byungkook
Lee, Choonsik
Lee, E-Chiang
Lenz, George
Leo, Oberdan
Li, Chou Chi
Li, Shipeng
Liang, Chi-Ming
Lih, Chih-Jian (Jason)
Lin, Ying-Wei
Linehan, Marston

(b) (3) (A), (b) (4), (b)
(6)

Liotta, Lance
Liu, Pentao
Liu, Wenhai
Longo, Dan L
Lorenzi, Philipp
Lori, Franco C.
Lowy, Douglas R.
Mackall, Crystal L
Makrigiannis, Andrew P.
Manna, Asit
Mansfield, Elizabeth
Mariner Kilbourne, Jennifer
Markham, Phillip D.
Marquez, Victor E
Mason, Llewellyn H.
Mazor, Ronit
Mazzara, Gail P.
McCart, Judith Andrea
McClements, William
McMahon, James
McVicar, Daniel W
Mehta, Arpita I
Merlino, Glenn T.
Mertan, Francesca
Minna, John D.
Miranda, Katrina M.
Misteli, Thomas
Mitra, Guatam (George)
Mitsunaga, Makoto
Mitsuya, Hiroaki
Morgan, Richard A.
Muchmore, Brian P.
Nagata, Satoshi
Nara, Peter L

(b) (3) (A), (b) (4),
(b) (6)

Nuti, Marianna
O'Brien, Thomas R
O'Keefe, Barry
Oie, Herbert K
Onda, Masanori
Oppenheim, Joost J
Orentas, Rimas J.
Oroszlan, Stephen
Ortaldo, John R.
Oskarsson, Marianne
Ozols, Robert F
Pagliaro, Pasquale
Palena, Claudia
Panicali, Dennis L.
Parkhurst, Maria
Parks, Wade P
Pass, Harvey I.
Pastan, Ira H
Pastrana, Diana V
Pavlakis, George N
Pearce, Larry V
Pendleton, Charles D.
Peng, Bo
Phung, Yen T.
Pierce, Jacalyn
Pinto, Peter A
Popovic, Mikulas
Porter-Gill, Patricia A.
Potter, (b) (6) Michael
Prokunina-Olsson, Ludmila
Qasba, Pradman
Qin, Haiying
Rader, Christoph
Radmacher, Michael D

(b) (3) (A), (b) (4),
(b) (6)

Ramakrishnan, Boopathy
Reddel, Roger R.
Reddy, E. Premkumar.
Reitz, Jr., Marvin S.
Restifo, Nicholas P.
Rhim, Johng S.
Risinger, John
Robbins, Paul F
Robert-Guroff, Marjorie
Roberts, David D.
Roberts, (b) (6) Anita
Roberts, Jeffrey
Rodan, Richard B
Rogakou, Efthimia P
Roop, Dennis R.
Rosati, Margherita
Rosenberg, Steven A.
Rosenwald, Andreas
Roukos, Vasileios
Roy, Krishnendu K.
Rubin, Jeffrey S
Saddig, Christiane
Salahuddin, Syed Z.
Salazar, Elena Barzaga
Salomon, David S
Salvatore, Giuliana
Samelson, Lawrence
Sarngadharan, Mangalasseril
Sausville, Edward
Sawitzke, James
Schiller, John T
Schlom, Jeffrey
Segal, David M.
Shaban, Samir H.

(b) (3) (A), (b) (4),
(b) (6)

Sharan, Shyam K
Sharan, Shyam K.
Shaw, George M
Shirai, Mutsunori
Simon, Richard
Simone, Nicole L
Slape, Christopher I.
Snader, Kenneth M
Somerville, Robert P.
Sonalee Gaur, Sonia
Soppet, Dan
Soutoglou, Evi
Spiese, Paul J
Sporn, Michael B.
Staudt, Louis M
Steeg, Patricia S.
Steinert, (b) (6) Peter M.
Stetler-Stevenson, William G.
Stoner, Gary
Stump, Ann
Swaminathan, Srividya
Tan, Bruce
Tang, Binwu
Tang, Zhewei
Tangrea, Michael
Topalian, Suzanne L.
Toshiyuki, Mori
Tsang, Kwong-Yok
Turkbey, Ismail B.
Ueda, Kazumitsu
(b) (4)
(b) (4)
Valentin, Antonio
Vande Woude, George

(b) (3) (A), (b) (4), (b) (6)

Varesio, Luigi
Vasmatzis, George
Vassall, Aaron
Veenstra, Timothy D
Vishnuvajjala, B. Rao
Voltan, Rebecca
Vos, Michele
Wakefield, Lalage M
Waldmann, Thomas A.
Wang, Ling-Mei
Wang, Rong-fu
Wang, Xiaohong
Wang, Yan
Warfield, Paul
Warming, Soren
Washington, Anthony V
Weinstein, John N.
Weldon, John
Wiestner, Adrian
Wilkens, Kenneth L.
Williams, Paul M.
Willingham, Mark C.
Wilson, Wyndham H.
Wink, David
Wolfgang, Curt
Wong-Staal, Flossie
Wright, George W
Wu, Carl
Wu, Yongzhong
Wunderlich, John
Xiang, Liaman
Xiao, Xiaodong
Xie, yueqing

(b) (3) (A), (b) (4),
(b) (6)

(b) (4)

Xu, Junfen
Yang, De
Yang, James C
Yang, Tian J.
Yang, Youfeng
Yao, Xin
Yi, Chang K.
Yoshimura, Teizo
Yu, Daiguan
Yu, Zhiya
Yuspa, Stuart H.
Zaharoff, David
Zaremba, Sam
Zhang, Yifan
Zhang, ZhenHua
Zheng, Zhi-Min g (Thomas)
Zhu, Jianwei
Zhu, Shiqui
Zhu, Zhongyu

NEI

Becerra, Sofia P
Bunce, George E.
Chader, Gerald J
Csaky, Karl G
Ferris III, Frederick L.
Kinoshita, (b) (6) Jin H
Li, Tiansen
Ponce, Lourdes
Rodriguez, Ignacio R
Smith, James Cecil
Steele, Fintan R.
Swaroop, Anand
Tombran-Tink, Joyce

(b) (4)

(b) (3) (A), (b)
(4), (b) (6)

\$604,790.81

(b) (3) (A), (b) (4),
(b) (6)

NHGRI

Auld, Douglas S.
Boxer, Matthew
Chandler, Randy J.
Cheng, Jun
Gispert-Sanchez, Suzana
Goldin, Ehud M.
Inglese, James
Jiang, Jian-kang
Kallioniemi, Olli P
Kononen, Juha
Leighton, Stephen
Manoli, Iriini
Meltzer, Paul
Motabar, Omid
Nussbaum, Robert L.
Pavan, William J
Schwartzberg, Pamela L.
Shen, Min
Sidransky, Ellen
Skoumbourdis, Amanda P.
Thomas, Craig J.
Trent, Jeffrey
Venditti, Charles P.
Westbroek, Wendy

\$39,317.03

(b) (3) (A), (b)
(4), (b) (6)

NHLBI

Adelstein, Robert
Berra, Lorenzo
Boehm, Manfred
Brewer, H. Bryan
Bumb, Ambika
Cannon, Richard O.
Cecchini, Sylvain
Chen, Guibin

\$256,946.00

(b) (3) (A), (b)
(4), (b) (6)

Chiorini, John A.
Combs, Christian A.
Crystal, Ronald G
Derbyshire, John Andrew
Ding, Chuan-Tian
Ding, Chuantian
Finkel, Toren
Gladwin, Mark T.
Hoeg, Nancy
Hong, Jennifer
Hunter, Christian J

(b) (4)

Kawamoto, Sachiyo
Kelley, Christine A
Kim, Kee Kwang
Knepper, Mark A
Kolobow, Theodor

(b) (4)

Kotin, Robert M.
Larochelle, Andre
Lee, Seung-Rock
Leonard, Warren J.
Li, Lina

(b) (4)

(b) (4)

McVeigh, Elliott R
Neuman, Keir C.
Nezafat, Reza
Nirenberg, (b) (6) Marshall
Rhee, Sue Goo
Salmon, Mary A.
Santamarina-Fojo, Silvia
Sarkar, Susanta K.
Smith, Richard H.

(b) (3) (A), (b) (4),
(b) (6)

(b) (4)
(b) (4)

Urabe, Masashi

(b) (4)

Walsh, Frank

Wen, Han

Wong, Susan

Yang, Yanqin

Young, Neal S.

Zhi, Ning

Zhu, Jun

NIA

(b) (3) (A), (b)
(4), (b) (6)

\$31,846.92

Arya, Bira

(b) (3) (A), (b)
(4), (b) (6)

Doyle, Maire E

Egan, Josephine M

Espinoza, Juan C.

Falco, Geppino

Greig, Nigel H

Hodes, Richard

Holloway, Harold

Ko, Minoru S.

Lee, Sung-Lim

Longo, Dan L

(b) (4)

Matarin Jimenez, Maria Del Mar

Moaddel, Ruin

Monti, Manuela

Olkhanud, Purevdorj B.

Passanti, Antonio

Perfetti, Riccardo

Perry, Tracy Ann

Pitha, Josef

Sharova, Lioudmila V.

Shin, Soojung

Singleton, Andrew B.

Stanghellini, Ilaria

Zalzman, Michal

NIAAA

Kunos, George I

Veech, Richard L.

NIAID

\$848,356.86

Adachi, Akio

Akin, Cem

Alexander, Robert M.

Alkhatib, Ghalib

Atarashi, Ryuichiro

Barry, Clifton E

Baxa, Ulrich

Benn, Steven I

Bennink, Jack R.

Berger, Edward A.

Best, Sonja M.

Biacchesi, Stephanie

Blaney, Jr., Joseph E

Boyington, Jeffrey C.

Boyington, Jeffrey C.

Bray, Michael

Britt, William J.

Broder, Christopher

Buchholz, Ursula

Bukh, Jens

Bukreyev, Alexander

Caughey, Byron W.

Chakrabarti, Bimal K

Chang, Kyeong-OK

Chanock, (b) (6) Robert

Chen, Lei

Chen, Man

(b) (3) (A), (b)
(4), (b) (6)

(b) (3) (A), (b)
(4), (b) (6)

(b) (3) (A), (b)
(4), (b) (6)

Chen, Zhao Chun
Cheng, Cheng
Chesebro, Bruce
Cheung, Yiu Chong Gordon
Chuang, Gwo-Yu
Chuang, Gwo-Yu
Collins, Peter L.
Combadiere, Christophe
Corbett, Kizzmekia
Cox, Josephine H
Datta, Sandip Kumar
Davey, Richard T.
DeVico, Angela M.
Doms, Robert W.
Druz, Aliaksandr A.
Earl, Patricia L.
Eckels, Kenneth H
Eisenbarth, (b) (6) George
Elroy-Stein, Orna
Emerson, Suzanne U.
(b) (6) Clement K. Asiedu
Evans, Leonard
Feng, Yu
Fink, Doran
Folks, Thomas M
Fuerst, Thomas R.
Garboczi, David
Georgiev, Ivelin S.
Germain, Ronald N.
Gorman, Jason
Graham, Barney S.
Green, Kim Y.
Gu, Hua
Gupta, Pradeep K.

(b) (3) (A), (b)
(4), (b) (6)

Hanley, Kathryn
Harriman, Gregory R.
Hoshino, Yasutaka
Hsu, Su-Cheng Dana
Hu, Haijing
Huang, (b) (6) Yue
Jeang, (b) (6) Kuan-Teh
Jenkins, John P.
Joyce, Michael G.
Justement, Jesse S
Kalinina, Olga V.
Kanekiyo, Masaru
Kapikian, (b) (6) Albert Z
Kennedy, Paul
Kinter, Audrey L
Kirshenbaum, Arnold
Koh, Franklin
Kong, Wing-pui
Korty, Patricia E.
Kubofcik, Joseph
Kunimoto, Dennis Y.
Kwong, Peter D.
Lai, Ching-Juh
Lantz, Larry
Lee, Richard E.
Lenardo, Michael J.
Leonard, John M.
Leppla, Stephen H.
Leysath, Clinton E.
Li, Jianping
Long, Eric O.
Lubick, Kirk
Luongo, Cindy L.
Mackett, Michael

(b) (3) (A), (b) (4),
(b) (6)

Mangalampalli, Venkata R.
Marques, Adriana
Martin, Malcolm A
Mascola, John R.
Mchugh, Rebecca S
McLellan, Jason Scott
McTamney, Patrick
Men, Ruhe
Merritt, Joshua S.
Metcalf, Dean D
Miyazawa, Masaaki
Moayeri, Mahtab
Moin, Syed M.
Moore, Roger A.
Moss, Bernard
Murphy, Brian R.
Murphy, Philip M.
Myles, Ian
Nabel, Gary J
Nutman, Thomas B.
Nutt, Anne S.
O'Brien, Daniel P.
OFEK, GILAD A
Ohara, Junichi
Ou, Li
Pancera, Marie L.
Paul, (b) (6) William E.
Phillips, Damilola D.
Pletnev, Alexander G
Pomerantsev, Andrei P
Porgador, Angel
Powell, Douglas M
Priola, Susette A.
Purcell, Robert H

(b) (3) (A), (b) (4),
(b) (6)

Putnak, J. Robert
Quasney, Judit A.
Rabson, Arnold B.
Rajagopalan, Sumati
Robertson, Michael N.
Robertson, Shelly J.

(b) (4)

Rundlet, Emily
Rutledge, Rosamond A.
Sastry, Mallika
Schubert, Ulrich K
Schwartz, Richard M.
Shevach, Ethan M
Siebenlist, Ulrich
Silver, Jonathan E.
Skiadopoulos, Mario
Slayden, Richard A
Smith, Geoffrey L
Sosnovtsev, Stanislav V
Soto, Cinque
Srivatsan, Sanjay R.

(b) (4)

Stephens, Geoffrey L.
Stewart-Jones, Guillaume
Stewart-Jones, Guillaume BE
Strober, Warren
Sullivan, Nancy J
Sun, Peter D
Szu, Shousun C
Theodore, (b) (6) Theodore S
Thomas, Paul V.
Tsybovsky, Yaroslav
Van Galen, Joseph

(b) (3) (A), (b) (4),
(b) (6)

Wan, Fengyi
Wang, Lingshu
Ward, Lucy A.
Wehrly, Kathryn
Wei, Chih--Jen
Wen, Xiaobo
Whitehead, Stephen S.
Whittle, James R R
Willey, Ronald L.
Wyatt, Linda S.
Wycuff, Diane L.
Xu, Kai
Yanagi, Masayuki
YANG, YONGPING
Yang, Zhi-Yong
Yassine, Hadi M.
Yewdell, Jonathan W.
Zhang, Baoshan
Zhang, Yi-Ming
Zhou, Tongqing
Zou, Zhongcheng

NIAMS

Kinet, Jean-Pierre
Plotz, Paul H.
Raben, Nina
Rao, Mahendra S

NIBIB

Bungay, Peter M
Dedrick, Robert L
Goldstein, Seth R.
Morrison, Paul F.
Parekh, Sapun
Phillips, Terence M
Shroff, Hari

(b) (3) (A), (b)
(4), (b) (6)

\$48,178.62

(b) (3) (A), (b)
(4), (b) (6)

\$14,481.22

(b) (3) (A), (b)
(4), (b) (6)

Smith, Paul D.

York, Andrew G.

NICHD

Arnaoutov, Alexei M.

Blithe, Diana L.

Blye, Richard

Bonner, Robert F

Bridson, William E.

Buonanno, Andres

Chou, Janice Y.

Chumakov, Ekaterina

Crouch, Robert J.

Dasso, Mary C

Dawid, Igor

Deligiannidis, Kristina M Galarneau

Dey, Anup K

Dressler, Gregory R.

Grinberg, Alexander

Hertz, Roy

Huang, Freesia

Huang, Kuo-Ping

Karavanov, Alex A. or Irina

Kim, Hyun Koo

Kingfield, Joyce G.

Klein, David C.

Kohler, Peter O

Korf, Horst-Werner

Kubler-Kielb, Joanna

Liu, Darrell T

Love, Paul E.

Majadly, Fathy D

McDonald, John

Nieman, Lynnette K.

Ozato Dawid, Keiko

(b) (3) (A), (b)
(4), (b) (6)

\$183,494.73

(b) (3) (A), (b)
(4), (b) (6)

Robbins, John B.
Samelson, Lawrence
Schneerson, Rachel

(b) (4)

Szu, Shousun C
Vullhorst, Detlef
Weller, Joan
Woodgate, Roger
Zhang, Weiguo

NIDA

Cao, Jianjing
Cyriac, George C.
Grundt, Peter
Kumar, Vivek
Newman, Amy H.
Shaik, Anerbasha
Wise, Roy A
Zangen, Abraham

NIDCD

RJ Wenthold

(b) (6)

NIDCR

Adler, Jon Elliot
Akiyama, Steven
Burbelo, Peter D.
Chiorini, John A.
Elkin, Michael
Erlenbach, Isolde
Fisher, Larry
Gronthos, Stan
Hoon, Mark
Hsu, Su-Cheng Dana
Iadarola, Michael J.
Keith, Jerry M
Kleinman, Hynda

(b) (3) (A), (b)
(4), (b) (6)

(b) (3) (A), (b) (4), (b)
(6)

\$56,027.10

(b) (3) (A), (b)
(4), (b) (6)

Kulkarni, Ashok
Leppla, Stephen H.
Malinda, Katherine M
Merkel, Todd J.
Miura, Masako
Ohshima, Toshio
Park, Sukjoon
Pasquale, Giovanni Di
Philp, Deborah
Quinn, Conrad P.
Robey, Pamela G.
Rosovitz, Mary Jo
Ryba, Nicholas
Seo, Byoung-Moo
Shi, Songtao
Singh, Yogendra
Siraganian, Reuben
Yamada, Kenneth
Yamada, Susan Sleeper
Yang, Xiaoming

NIDDK

Appella, Daniel H
Chandramohan, Dhruva
Chou, Carson C.
Daly, (b) (6) John W
Englund, Ethan A.
Gao, Zhan-Guo
Ge, Kai
Goldsmith, Paul K
Hall, Kevin
Jacobson, Kenneth A
Kopp, Jeffrey B
Lee, Ji-Eun
Lewis, Edgar Neil

(b) (3) (A), (b)
(4), (b) (6)

\$43,554.30

(b) (3) (A), (b)
(4), (b) (6)

Melman, Artem
Micklitsch, Christopher
Oquare, Bereket
Proia, Richard L
Ramirez, Delia
Sauer, Brian
Schechter, Alan N.
Shiloach, Joseph
Simonds, William F.
Spiegel, Allen M.

(b) (4)

Tosh, Dilip K.
Wang, Deyun
Zhang, Jianhua
Zhang, Ning
Zhao, Chao

NIEHS

(b) (4)

Beckley, Amy J.
Blackshear, Perry J
Bradbury, Jennifer Alyce
Cidlowski, John A.
de Morais, Sonia
DiAugustine, Richard P

(b) (4)

Eddy, Edward
Ehrenshaft, Marilyn I
Eling, Thomas E
Goldstein, Joyce
Graves, Joan P.
Kennington, Elizabeth A.
Mason, Ronald P.
Mishina, Yuji
Moore, Rickie

(b) (3) (A), (b)
(4), (b) (6)

\$22,743.59

(b) (3) (A), (b)
(4), (b) (6)

Negishi, Masahiko
Nixon, Jennifer
Oakley, Robert
Ray, Manas K.
Scott, Gregory J.
Summers, Fiona A.
Teng, Christina T.
Wetsel, William
Zeldin, Darryl C

NIMH

Axelrod, (b) (6) Julius
Cai, Lisheng
Cohen, Robert M.
Dold, George R.
Eiden, Maribeth V.
Hampson, Aidan J.
Hu, Huaizhong
Innis, Robert B.
Jacobowitz, David
Kowalak, Jeffrey A.
Liu, Yuan Yi
Ma, Shenglin
Manji, Hussein K.
Markey, Sanford P.
Masuda, Junichi
Morgan, Newlin T.
Neville, David
Pike, Victor W.
Scharff, Joshua
Strauss, Kenneth I
Thompson, Jerry
(b) (4)
Unsworth, Edward J.
Wilson, Carolyn A.

(b) (3) (A), (b)
(4), (b) (6)

\$45,362.89

(b) (3) (A), (b)
(4), (b) (6)

Winsky, Lois

(b) (4)

Woo, Jung-Hee

Ye, Daniel

Zarate, Carlos A.

NINDS

\$215,721.81

Badger, John D.

Bankiewicz, Krystof S.

Batthey, James F.

Bemben, Michael A.

Bielekova, Bibiana B

Bobo, Richard

Brady, (b) (6) Roscoe O

Dobersen, Michael J

Gainer, Harold

Goda, Shuichira

Grimaldi, Maurizio

Hallett, Mark

Hamilton, John F

Hammer, Jeffrey A.

Hou, Jean

Hsu, Yite

Humbert, Ianessa A

Jensen, Peter N

Laske, Douglas

Lonser, Russell R

Lowell, Soren Y

Ludlow, Christy L.

Major, Eugene O

Martin, Roland

McFarland, Henry F.

Messam, Conrad A

Miranda, Pedro

Murray, Gary J

(b) (3) (A), (b)
(4), (b) (6)

(b) (3) (A), (b)
(4), (b) (6)

Narendra, Derek
Noronha, Antonio B
Oldfield, (b) (6) Edward H.
Pluta, Ryszard M
Poletto, Christopher J.
Quarles, Richard H.
Roche, Katherine W.
Roth, Yiftach
Sasagasako, Naokazu
Schwartz, Joan P
Suen, Der-Fen
Sugita, Yukihiro
Suzuki, Motoshi
Taniwaki, Takayuki
Toda, Kenichi
Wada, Etsuko
Wang, Chunxin
Warach, Steven J.
Youle, Richard J.
NINR
Barr, Taura L.

(b) (3) (A), (b) (4),
(b) (6)

(b) (3) (A), (b) (4),
(b) (6)

(b) (4)

NIH Patent Licensing Activities
CC
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-111-06/0	CC		ICAD Inc	17-Oct-17						(b) (3) (A), (b) (4)

Note: L-111-06/0 split between CC; CIT; NIDCD

NIH Patent Licensing Activities
CC
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
+L-084-17/1	Baecher, Nicolai	(b)(4); (b)(6)	Imbio, LLC.	10-Nov-17						(b) (3) (A), (b) (4), (b) (6)
+L-084-17/1	Lay, Nathan Stephan		Imbio, LLC.	10-Nov-17						
+L-084-17/1	Liu, Jiamin		Imbio, LLC.	10-Nov-17						
+L-084-17/1	Summers, Ronald		Imbio, LLC.	10-Nov-17						
+L-084-17/1	Yao, Jianhua		Imbio, LLC.	10-Nov-17						

NIH Patent Licensing Activities
CC
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-159-07/2	Gladwin, Mark T.	(b)(4); (b)(6)	ope Pharmaceuticals	5-Dec-17						(b) (3) (A), (b) (4), (b) (6)
+L-143-07/2	Gladwin, Mark T.	(b)(4); (b)(6)	Hope Pharmaceuticals	5-Dec-17						
+L-107-15/1	Jin, Jianjian	(b)	Lion Biotechnologies, Inc.	27-Dec-17						
+L-107-15/1	Sabatino, Marianna V.	(4);	Lion Biotechnologies, Inc.	27-Dec-17						
+L-107-15/1	Stroncek, David F.	(b)(6)	Lion Biotechnologies, Inc.	27-Dec-17						
+L-107-15/1	CC		Lion Biotechnologies, Inc.	27-Dec-17						

Note: L-159-07/2 split between CC; NHLBI; NIDDK; NINDS

Note: L-143-07/2 split between CC; NHLBI; NIDDK

Note: L-107-15/1 split between CC; NCI

Note: L-107-15/1 split between CC; NCI

NIH Patent Licensing Activities
CC
January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-159-07/2	CC		Hope Pharmaceuticals	3-Jan-18						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-159-07/2 split between CC; NHLBI; NIDDK; NINDS</i>										
+L-028-18/0	Lay, Nathan Stephan	(b)(4);	Scanmed LLC	3-Jan-18						
+L-028-18/0	Reinhard Roth, Holger	(b)(6)	Scanmed LLC	3-Jan-18						
+L-028-18/0	Summers, Ronald		Scanmed LLC	3-Jan-18						
+L-028-18/0	Tsehay, Yohannes Kebede		Scanmed LLC	3-Jan-18						
<i>Note: L-028-18/0 split between CC; CIT; NCI</i>										
+L-028-18/0	CC		Scanmed LLC	10-Jan-18						
<i>Note: L-028-18/0 split between CC; CIT; NCI</i>										

NIH Patent Licensing Activities
CC
February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-028-18/0	CC		Scanmed LLC	8-Feb-18						(b) (3) (A), (b) (4)
<i>Note: L-028-18/0 split between CC; CIT; NCI</i>										

NIH Patent Licensing Activities
CC
March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-122-17/0	Kwak, Jin Tae	(b)(4);	Koninklijke Philips N.V.	1-Mar-18						(b) (3) (A), (b) (4), (b) (6)
+L-122-17/0	Summers, Ronald	(b)(6)	Koninklijke Philips N.V.	1-Mar-18						
+L-122-17/0	Wood, Bradford J		Koninklijke Philips N.V.	1-Mar-18						
+L-122-17/0	Xu, Sheng		Koninklijke Philips N.V.	1-Mar-18						
<i>Note: L-122-17/0 split between CC; NCI</i>										

\$41,256.20	\$13,609.60	\$54,865.80	\$9,185.39	\$45,680.41
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+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
 CDC
 October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann.	Patent	Total October	License	Inventor Awards	Net Remaining to
					Min./Exec. Fee	Prosecution Costs	Income	Cumulative Income		
+L-205-13/0	Cox, Nancy J.	(b)(4);	Univ. FL Research Foundation, Inc.	2-Oct-17						(b) (3) (A), (b) (4), (b) (6)
+L-205-13/0	Donis, Ruben O.	(b)(6)	Univ. FL Research Foundation, Inc.	2-Oct-17						
+L-205-13/0	Katz, Jacqueline M.		Univ. FL Research Foundation, Inc.	2-Oct-17						
+L-205-13/0	Klimov, Alexander I.		Univ. FL Research Foundation, Inc.	2-Oct-17						
+L-226-13/0	CDC		Tick Box Technology Corp.	3-Oct-17						
+L-005-14/2	CDC		Trellis Bioscience	4-Oct-17						
+L-116-15/0	Oberste, M. Steven	(b)(4); (b)(6)	University of Georgia Research Foundatio	4-Oct-17						
+L-204-13/0	Lingappa, Jairam R.		Regents of University California	11-Oct-17						
+L-298-14/0	CDC		Clean Air Filter	12-Oct-17						
+L-033-14/1	Boyer, Anne E.	(b)(4);	Focus Diagnostics, Inc.	18-Oct-17						
+L-033-14/1	Brand, Joy A.	(b)(6)	Focus Diagnostics, Inc.	18-Oct-17						
+L-033-14/1	Maddison, Shirley E.		Focus Diagnostics, Inc.	18-Oct-17						
+L-033-14/1	Schantz, Peter M.		Focus Diagnostics, Inc.	18-Oct-17						
+L-033-14/1	Tsang, Victor C.		Focus Diagnostics, Inc.	18-Oct-17						
+L-033-14/1	Wilson, Marianna		Focus Diagnostics, Inc.	18-Oct-17						
+L-005-14/2	CDC		Trellis Bioscience	24-Oct-17						
+L-168-16/0	CDC		Mylan, Inc.	24-Oct-17						
+L-168-16/0	CDC		Mylan, Inc.	24-Oct-17						
+L-219-14/0	Johnson, Barbara J.	(b)(4);	The Regents of the University of Califor	24-Oct-17						

NIH Patent Licensing Activities
 CDC
 November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann.	Patent	Total November	License	Inventor Awards	Net Remaining to
					Min./Exec. Fee	Prosecution Costs	Income	Cumulative Income		
+L-126-15/1	CDC		GlaxoSmithKline Biologicals, S.A.	1-Nov-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-126-15/1 split between CDC; NIAID</i>										
+L-198-16/1	CDC		Codagenix	1-Nov-17						
+L-160-14/0	Harmon, Maurice	(b)(4);	Millipore Corp.	1-Nov-17						
+L-160-14/0	Kendal, Alan P.	(b)(6)	Millipore Corp.	1-Nov-17						
+L-160-14/0	Stockdale, Carol		Millipore Corp.	1-Nov-17						
+L-160-14/0	Walls, Harriet		Millipore Corp.	1-Nov-17						
+L-155-14/0	Freeman, Charlotte		Millipore Corp.	1-Nov-17						
+L-155-14/0	Pallansch, Mark A.		Millipore Corp.	1-Nov-17						
+L-150-14/1	Maher, Kaija		EMD Millipore Corporation	1-Nov-17						

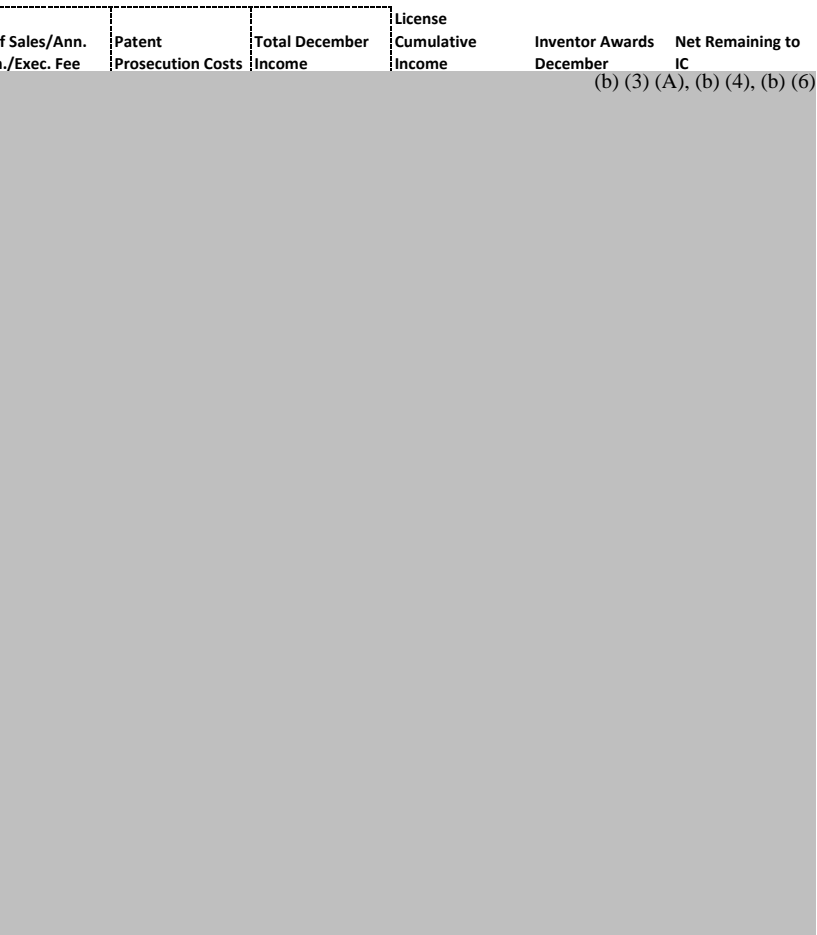
+L-150-14/1	Pallansch, Mark A.	(b)(4); (b)(6)	EMD Millipore Corporation	1-Nov-17
+L-005-14/2	CDC		Trellis Bioscience	16-Nov-17
+L-159-14/1	Alisio, Carol H.	(b)(4);	Southern Biotechnology Associates, Inc.	16-Nov-17
+L-159-14/1	Black, Charlotte M.	(b)(6)	Southern Biotechnology Associates, Inc.	16-Nov-17
+L-159-14/1	Galland, Gale G.		Southern Biotechnology Associates, Inc.	16-Nov-17
+L-159-14/1	Mark W. Reimer (b)(6)		Southern Biotechnology Associates, Inc.	16-Nov-17
+L-159-14/1	Moore, Deborah D.		Southern Biotechnology Associates, Inc.	16-Nov-17
+L-159-14/1	Phillips, Donald		Southern Biotechnology Associates, Inc.	16-Nov-17
+L-159-14/1	Wells, Thomas		Southern Biotechnology Associates, Inc.	16-Nov-17
+L-112-14/2	CDC		Biological E. Ltd.	17-Nov-17



(b) (3) (A), (b) (4), (b) (6)

**NIH Patent Licensing Activities
CDC
December 2017**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-233-13/0	Hummer, Jon	(b)(4);	Thermo Environmental Instruments	4-Dec-17						(b) (3) (A), (b) (4), (b) (6)
+L-233-13/0	Volkwein, Jon C.	(b)(6)	Thermo Environmental Instruments	4-Dec-17						
+L-205-13/0	Cox, Nancy J.		Univ. FL Research Foundation, Inc.	4-Dec-17						
+L-205-13/0	Donis, Ruben O.		Univ. FL Research Foundation, Inc.	4-Dec-17						
+L-205-13/0	Katz, Jacqueline M.		Univ. FL Research Foundation, Inc.	4-Dec-17						
+L-205-13/0	Klimov, Alexander I.		Univ. FL Research Foundation, Inc.	4-Dec-17						
+L-126-15/1	Sanchez, Anthony <i>Note: L-126-15/1 split between CDC; NIAID</i>		GlaxoSmithKline Biologicals, S.A.	4-Dec-17						
+L-143-14/3	Roehrig, John T.		VecTOR Test Systems	5-Dec-17						
+L-193-14/0	CDC		Merck, Sharp & Dohme	12-Dec-17						
+L-150-13/1	Gentsch, Jon R.	(b)(4);	Changchun Hongda Bio. Pharm. Co., Ltd.	14-Dec-17						
+L-150-13/1	Glass, Roger I.	(b)(6)	Changchun Hongda Bio. Pharm. Co., Ltd.	14-Dec-17						
+L-150-13/1	Jiang, Baoming		Changchun Hongda Bio. Pharm. Co., Ltd.	14-Dec-17						
+L-150-13/1	Saluzzo, Jean-francious		Changchun Hongda Bio. Pharm. Co., Ltd.	14-Dec-17						
+L-150-13/1	Wang, Yuhuan		Changchun Hongda Bio. Pharm. Co., Ltd.	14-Dec-17						
+L-248-13/0	Tuchman, Donald P.		Thermo Environmental Inst., Inc.	15-Dec-17						
+L-139-14/1	Bellini, William J.		VMRD, Inc.	15-Dec-17						
+L-139-14/1	Esposito, Joseph J.		VMRD, Inc.	15-Dec-17						
+L-139-14/1	Summer, John		VMRD, Inc.	15-Dec-17						
+L-087-15/0	Damon, Inger K.		Chengdu Boao Bio-tech Co.	18-Dec-17						
+L-087-15/0	Hanlon, Cathleen		Chengdu Boao Bio-tech Co.	18-Dec-17						
+L-087-15/0	Wu, Xianfu		Chengdu Boao Bio-tech Co.	18-Dec-17						
+L-180-13/3	Chang, Gwong-Jen J.		InBios International, Inc.	19-Dec-17						
+L-157-14/2	Anderson, Larry J.		Millipore Corp.	20-Dec-17						
+L-157-14/2	Tsou, Cecelia		Millipore Corp.	20-Dec-17						
+L-225-17/0	Chang, Gwong-Jen J.		InBios International, Inc.	20-Dec-17						



+L-225-17/0	Davis, Brent S.	(b)(4); (b)(6)	InBios International, Inc.	20-Dec-17	(b) (3) (A), (b) (4), (b) (6)
+L-225-17/0	Roehrig, John T.	(b)(6)	InBios International, Inc.	20-Dec-17	
+L-225-17/0	Thibodeaux, Brett A.	(b)(6)	InBios International, Inc.	20-Dec-17	
+L-141-13/0	Castro, Arnold R.	(b)(6)	Arlington Scientific, Inc.	21-Dec-17	
+L-226-13/0	Dolan, Marc C.	(b)(6)	Tick Box Technology Corp.	21-Dec-17	
+L-226-13/0	Maupin, Gary O.	(b)(6)	Tick Box Technology Corp.	21-Dec-17	
+L-185-14/1	Cromeans, Theresa	(b)(6)	Indian Immunologicals Ltd.	22-Dec-17	
+L-185-14/1	Fields, Howard A.	(b)(6)	Indian Immunologicals Ltd.	22-Dec-17	
+L-205-15/0	CDC	(b)(6)	Indian Immunologicals	22-Dec-17	
+L-243-13/0	Beall, David S.	(b)(4); (b)(6)	VaxDesign Corp.	22-Dec-17	
+L-243-13/0	Birkness, Kristin A.	(b)(6)	VaxDesign Corp.	22-Dec-17	
+L-243-13/0	Deslauries, Manon	(b)(6)	VaxDesign Corp.	22-Dec-17	
+L-243-13/0	King, Peter	(b)(6)	VaxDesign Corp.	22-Dec-17	
+L-243-13/0	Quinn, Frederick D.	(b)(6)	VaxDesign Corp.	22-Dec-17	
+L-142-14/2	Alisio, Carol H.	(b)(6)	Life Technologies Corporation	26-Dec-17	
+L-142-14/2	Black, Charlotte M.	(b)(6)	Life Technologies Corporation	26-Dec-17	
+L-142-14/2	Galland, Gale G.	(b)(6)	Life Technologies Corporation	26-Dec-17	
+L-142-14/2	Moore, Deborah D.	(b)(6)	Life Technologies Corporation	26-Dec-17	
+L-142-14/2	Phillips, Donald	(b)(6)	Life Technologies Corporation	26-Dec-17	
+L-142-14/2	Reimer, Charles B.	(b)(6)	Life Technologies Corporation	26-Dec-17	
+L-142-14/2	Wells, Thomas	(b)(6)	Life Technologies Corporation	26-Dec-17	
+L-035-17/0	CDC	(b)(6)	Microbiologics Inc	27-Dec-17	
+L-016-15/0	Cromeans, Theresa	(b)(4); (b)(6)	Microbiologics, Inc.	27-Dec-17	
+L-016-15/0	Hill, Vincent R.	(b)(6)	Microbiologics, Inc.	27-Dec-17	
+L-016-15/0	Narayanan, Jothikumar	(b)(6)	Microbiologics, Inc.	27-Dec-17	
+L-016-15/0	Vinje, Jan	(b)(6)	Microbiologics, Inc.	27-Dec-17	
+L-028-14/0	CDC	(b)(6)	Microbiologics, Inc.	27-Dec-17	
+L-108-14/2	CDC	(b)(6)	Microbiologics, Inc.	27-Dec-17	
+L-173-16/1	CDC	(b)(6)	Microbiologics, Inc.	27-Dec-17	
+L-188-15/0	CDC	(b)(6)	Microbiologics, Inc.	27-Dec-17	
+L-196-17/0	CDC	(b)(6)	Microbiologics Inc	27-Dec-17	
+L-218-17/0	CDC	(b)(6)	Microbiologics Inc	27-Dec-17	
+L-331-14/0	CDC	(b)(6)	Microbiologics Inc.	27-Dec-17	
+L-127-13/2	Esswein, Eric J.	(b)(4); (b)(6)	SKC, Inc.	27-Dec-17	
+L-127-13/2	Kennedy, Eugene R.	(b)(6)	SKC, Inc.	27-Dec-17	
+L-127-13/2	Snawder, John E.	(b)(6)	SKC, Inc.	27-Dec-17	
+L-127-13/2	Striley, Cynthia A.	(b)(6)	SKC, Inc.	27-Dec-17	
+L-140-16/0	CDC	(b)(6)	Micronics, Inc.	27-Dec-17	
+L-195-14/0	Beck, Eric T.	(b)(4); (b)(6)	TK Biotech, Inc.	28-Dec-17	
+L-195-14/0	Kinney, Claire Huang	(b)(6)	TK Biotech, Inc.	28-Dec-17	
+L-195-14/0	Kinney, Richard M.	(b)(6)	TK Biotech, Inc.	28-Dec-17	

+L-065-15/0	Aloisio, Carol H.	(b)(4);	BioLegend, Inc.	28-Dec-17
+L-065-15/0	Black, Charlotte M.	(b)(6)	BioLegend, Inc.	28-Dec-17
+L-065-15/0	Galland, Gale G.		BioLegend, Inc.	28-Dec-17
+L-065-15/0	Moore, Deborah D.		BioLegend, Inc.	28-Dec-17
+L-065-15/0	Phillips, Donald		BioLegend, Inc.	28-Dec-17
+L-065-15/0	Reimer, Charles B.		BioLegend, Inc.	28-Dec-17
+L-065-15/0	Wells, Thomas		BioLegend, Inc.	28-Dec-17

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
 CDC
 January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann.	Patent	Total January	License	Inventor Awards	Net Remaining to
					Min./Exec. Fee	Prosecution Costs	Income	Cumulative Income	January	IC
+L-241-17/0	CDC		ZeptoMetrix Corporation	1-Jan-18						(b) (3) (A), (b) (4), (b) (6)
+L-125-14/1	CDC		ZeptoMetrix Corp.	1-Jan-18						
+L-125-14/1	CDC		ZeptoMetrix Corp.	1-Jan-18						
+L-345-14/1	Gentsch, Jon R.	(b)(4);	Guangzhou HeAnBiological	2-Jan-18						
+L-345-14/1	Glass, Roger I.	(b)(6)	Guangzhou HeAnBiological	2-Jan-18						
+L-345-14/1	Jiang, Baoming		Guangzhou HeAnBiological	2-Jan-18						
+L-345-14/1	Wang, Yuhuan		Guangzhou HeAnBiological	2-Jan-18						
+L-112-14/2	CDC		Biological E. Ltd.	3-Jan-18						
+L-112-14/2	CDC		Biological E. Ltd.	3-Jan-18						
+L-061-17/0	Amador, Manuel	(b)(4);	AP&G Co., Inc	3-Jan-18						
+L-061-17/0	Barrera, Roberto	(b)(6)	AP&G Co., Inc	3-Jan-18						
+L-061-17/0	Mackay, Andrew J.		AP&G Co., Inc	3-Jan-18						
+L-171-15/0	CDC		Fuller Laboratories	3-Jan-18						
+L-329-14/0	Bishop, Henry	(b)(4);	Fuller Laboratories	3-Jan-18						
+L-129-14/2	Anderson, Larry J.	(b)(6)	ViroStat, Inc.	4-Jan-18						
+L-129-14/2	Tsou, Cecelia		ViroStat, Inc.	4-Jan-18						
+L-129-14/2	Anderson, Larry J.		ViroStat, Inc.	4-Jan-18						
+L-129-14/2	Tsou, Cecelia		ViroStat, Inc.	4-Jan-18						
+L-126-16/0	Dietrich, EB Gabrielle		Evolve Inc.	4-Jan-18						
+L-126-16/0	Dolan, Marc C.		Evolve Inc.	4-Jan-18						
+L-126-16/0	Maupin, Gary O.		Evolve Inc.	4-Jan-18						
+L-126-16/0	Panella, Nicholas A.		Evolve Inc.	4-Jan-18						
+L-126-16/0	(b) (4)		Evolve Inc.	4-Jan-18						
+L-117-14/2	CDC		Serum Institute of India Ltd.	4-Jan-18						
+L-236-15/0	Ades, Edwin W.	(b)(4);	ENTvantage Diagnostics, Inc.	5-Jan-18						
+L-236-15/0	Carlone, George M.	(b)(6)	ENTvantage Diagnostics, Inc.	5-Jan-18						
+L-236-15/0	O'Connor, Steven		ENTvantage Diagnostics, Inc.	5-Jan-18						
+L-236-15/0	Russell, Harold		ENTvantage Diagnostics, Inc.	5-Jan-18						
+L-236-15/0	Sampson, Jacquelyn S.		ENTvantage Diagnostics, Inc.	5-Jan-18						

+L-236-15/0	Tharpe, Jean A.	(b)(4); (b)(6)	ENTvantage Diagnostics, Inc.	5-Jan-18
+L-231-13/0	Murphy, William J.		Michael & Associates, Inc.	5-Jan-18
+L-231-13/0	Raudabaugh, William M.		Michael & Associates, Inc.	5-Jan-18
+L-231-13/0	Stephenson, Mark R.		Michael & Associates, Inc.	5-Jan-18
+L-231-13/0	Murphy, William J.		Michael & Associates, Inc.	5-Jan-18
+L-231-13/0	Raudabaugh, William M.		Michael & Associates, Inc.	5-Jan-18
+L-231-13/0	Stephenson, Mark R.		Michael & Associates, Inc.	5-Jan-18
+L-128-14/1	Harmon, Maurice		Medix Biochemica	8-Jan-18
+L-128-14/1	Kendal, Alan P.		Medix Biochemica	8-Jan-18
+L-128-14/1	Stockdale, Carol		Medix Biochemica	8-Jan-18
+L-128-14/1	Walls, Harriet		Medix Biochemica	8-Jan-18
+L-136-14/2	Roehrig, John T.		Millipore Corporation	8-Jan-18
+L-116-15/0	Oberste, M. Steven		University of Georgia Research Foundatio	8-Jan-18
+L-329-14/0	Bishop, Henry		Fuller Laboratories	9-Jan-18
+L-329-14/0	Bishop, Henry		Fuller Laboratories	9-Jan-18
+L-329-14/0	Bishop, Henry		Fuller Laboratories	9-Jan-18
+L-171-15/0	CDC		Fuller Laboratories	9-Jan-18
+L-186-13/5	Chang, Gwong-Jen J.	(b)(4);	Focus Diagnostics, Inc.	9-Jan-18
+L-186-13/5	Roehrig, John T.	(b)(6)	Focus Diagnostics, Inc.	9-Jan-18
+L-126-16/0	CDC		Evolva Inc.	11-Jan-18
+L-184-13/0	CDC		Kanomax Japan, Inc.	11-Jan-18
+L-175-13/0	Chang, Gwong-Jen J.	(b)(4); (b)(6)	ID-VET Sar1	11-Jan-18
+L-197-13/1	Cox, Nancy J.		Life Technologies Corporation	11-Jan-18
+L-197-13/1	Klimov, Alexander I.		Life Technologies Corporation	11-Jan-18
+L-197-13/1	Lindstrom, Stephen		Life Technologies Corporation	11-Jan-18
+L-197-13/1	Loftin, Lamorris		Life Technologies Corporation	11-Jan-18
+L-235-13/0	Berman, LaShondra		Life Technologies Corp.	11-Jan-18
+L-235-13/0	Emery, Shannon L.		Life Technologies Corp.	11-Jan-18
+L-235-13/0	Lindstrom, Stephen		Life Technologies Corp.	11-Jan-18
+L-235-13/0	Shu, Bo		Life Technologies Corp.	11-Jan-18
+L-212-14/0	Granade, Timothy C.		Maxim Biotech, Inc.	12-Jan-18
+L-212-14/0	Parekh, Bharat S.		Maxim Biotech, Inc.	12-Jan-18
+L-212-14/0	Pau, Chou-Pong		Maxim Biotech, Inc.	12-Jan-18
+L-129-13/0	Reid, Thomas M.		Aerotech Laboratories, Inc.	17-Jan-18
+L-129-13/0	Schafer, Millie P.		Aerotech Laboratories, Inc.	17-Jan-18
+L-149-14/0	Roehrig, John T.		Alere Inc.	18-Jan-18
+L-247-13/1	Castro, Arnold R.		Span Diagnostics Ltd.	22-Jan-18
+L-247-13/1	George, Robert W.		Span Diagnostics Ltd.	22-Jan-18
+L-150-13/1	CDC		Changchun Hongda Bio. Pharm. Co., Ltd.	22-Jan-18

(b) (3) (A), (b) (4), (b) (6)

+L-026-18/0	Anderson, Burt E.	(b)(4);	ID-FISH Technology, Inc	22-Jan-18	(b) (3) (A), (b) (4), (b) (6)
+L-026-18/0	Dawson, Jacqueline E.	(b)(6)	ID-FISH Technology, Inc	22-Jan-18	
+L-148-13/0	Collins, Carlyn		3DHISTECH Ltd.	23-Jan-18	
+L-148-13/0	Gagnon, MariBeth		3DHISTECH Ltd.	23-Jan-18	
+L-148-13/0	Lange, James V.		3DHISTECH Ltd.	23-Jan-18	
+L-148-13/0	Lee, Tommy		3DHISTECH Ltd.	23-Jan-18	
+L-148-13/0	Taylor, Roger		3DHISTECH Ltd.	23-Jan-18	
+L-030-14/0	Roehrig, John T.		PaxVax, Inc.	25-Jan-18	
+L-166-17/0	CDC		Accelerate Diagnostics, Inc.	26-Jan-18	
+L-033-14/1	Boyer, Anne E.	(b)(4);	Focus Diagnostics, Inc.	26-Jan-18	
+L-033-14/1	Brand, Joy A.	(b)(6)	Focus Diagnostics, Inc.	26-Jan-18	
+L-033-14/1	Maddison, Shirley E.		Focus Diagnostics, Inc.	26-Jan-18	
+L-033-14/1	Schantz, Peter M.		Focus Diagnostics, Inc.	26-Jan-18	
+L-033-14/1	Tsang, Victor C.		Focus Diagnostics, Inc.	26-Jan-18	
+L-033-14/1	Wilson, Marianna		Focus Diagnostics, Inc.	26-Jan-18	
+L-178-13/2	Ashley, Kevin E.		Hygenall Corp.	26-Jan-18	
+L-178-13/2	Boeniger, Mark F.		Hygenall Corp.	26-Jan-18	
+L-178-13/2	Esswein, Eric J.		Hygenall Corp.	26-Jan-18	
+L-226-13/0	Dolan, Marc C.		Tick Box Technology Corp.	26-Jan-18	
+L-226-13/0	Maupin, Gary O.		Tick Box Technology Corp.	26-Jan-18	
+L-127-13/2	Esswein, Eric J.		SKC, Inc.	30-Jan-18	
+L-127-13/2	Kennedy, Eugene R.		SKC, Inc.	30-Jan-18	
+L-127-13/2	Snawder, John E.		SKC, Inc.	30-Jan-18	
+L-127-13/2	Striley, Cynthia A.		SKC, Inc.	30-Jan-18	
+L-126-13/0	Ashley, Kevin E.		SKC, Inc.	30-Jan-18	
+L-126-13/0	Boeniger, Mark F.		SKC, Inc.	30-Jan-18	
+L-126-13/0	Esswein, Eric J.		SKC, Inc.	30-Jan-18	

NIH Patent Licensing Activities
 CDC
 February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	License			Inventor Awards February	Net Remaining to IC
					% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income		
+L-249-13/1	Gentsch, Jon R.	(b)(4);	Serum Institute of India Ltd.	1-Feb-18				(b) (3) (A), (b) (4), (b) (6)	
+L-249-13/1	Glass, Roger I.	(b)(6)	Serum Institute of India Ltd.	1-Feb-18					
+L-249-13/1	Jiang, Baoming		Serum Institute of India Ltd.	1-Feb-18					
+L-249-13/1	Saluzzo, Jean-francious		Serum Institute of India Ltd.	1-Feb-18					
+L-249-13/1	Wang, Yuhuan		Serum Institute of India Ltd.	1-Feb-18					
+L-249-13/1	Gentsch, Jon R.		Serum Institute of India Ltd.	1-Feb-18					
+L-249-13/1	Glass, Roger I.		Serum Institute of India Ltd.	1-Feb-18					
+L-249-13/1	Jiang, Baoming		Serum Institute of India Ltd.	1-Feb-18					
+L-249-13/1	Saluzzo, Jean-francious		Serum Institute of India Ltd.	1-Feb-18					
+L-249-13/1	Wang, Yuhuan		Serum Institute of India Ltd.	1-Feb-18					
+L-110-14/2	Alisio, Carol H.		Diasorin S.R.L.	1-Feb-18					
+L-110-14/2	Black, Charlotte M.		Diasorin S.R.L.	1-Feb-18					

+L-110-14/2	Galland, Gale G.	(b)(4);	Diasorin S.R.L.	1-Feb-18
+L-110-14/2	Mark W. Reimer (b)(6)	(b)(6)	Diasorin S.R.L.	1-Feb-18
+L-110-14/2	Moore, Deborah D.		Diasorin S.R.L.	1-Feb-18
+L-110-14/2	Phillips, Donald		Diasorin S.R.L.	1-Feb-18
+L-110-14/2	Wells, Thomas		Diasorin S.R.L.	1-Feb-18
+L-155-13/0	Castro, Arnold R.		Chembio Diagnostic Systems, Inc.	1-Feb-18
+L-154-13/0	Castro, Arnold R.		Chembio Diagnostic Sys., Inc.	1-Feb-18
+L-154-13/0	George, Robert W.		Chembio Diagnostic Sys., Inc.	1-Feb-18
+L-198-16/1	CDC		Codagenix	1-Feb-18
+L-198-16/1	Burns, Cara C.	(b)(4);	Codagenix	1-Feb-18
+L-198-16/1	Campagnoli, Raymond	(b)(6)	Codagenix	1-Feb-18
+L-198-16/1	Kew, Olen M.		Codagenix	1-Feb-18
+L-198-16/1	Quay, Jacqueline		Codagenix	1-Feb-18
+L-198-16/1	Shaw, Jing		Codagenix	1-Feb-18
+L-146-13/0	CDC		Biological E. Ltd.	6-Feb-18
+L-198-16/1	CDC		Codagenix	9-Feb-18
+L-266-17/0	Ades, Edwin W.	(b)(4);	The University of Liverpool	13-Feb-18
+L-266-17/0	Atwell-Melnick, Nikkol	(b)(6)	The University of Liverpool	13-Feb-18
+L-266-17/0	Caba, Joseph J.		The University of Liverpool	13-Feb-18
+L-266-17/0	Carlone, George M.		The University of Liverpool	13-Feb-18
+L-266-17/0	Martinez, Joseph E.		The University of Liverpool	13-Feb-18
+L-266-17/0	Rajam, GowriSankar		The University of Liverpool	13-Feb-18
+L-266-17/0	Sampson, Jacquelyn S.		The University of Liverpool	13-Feb-18
+L-266-17/0	Skinner, Julile M.		The University of Liverpool	13-Feb-18
+L-266-17/0	Steiner, Sandra		The University of Liverpool	13-Feb-18
+L-266-17/0	Ades, Edwin W.		The University of Liverpool	13-Feb-18
+L-266-17/0	Atwell-Melnick, Nikkol		The University of Liverpool	13-Feb-18
+L-266-17/0	Caba, Joseph J.		The University of Liverpool	13-Feb-18
+L-266-17/0	Carlone, George M.		The University of Liverpool	13-Feb-18
+L-266-17/0	Martinez, Joseph E.		The University of Liverpool	13-Feb-18
+L-266-17/0	Rajam, GowriSankar		The University of Liverpool	13-Feb-18
+L-266-17/0	Sampson, Jacquelyn S.		The University of Liverpool	13-Feb-18
+L-266-17/0	Skinner, Julile M.		The University of Liverpool	13-Feb-18
+L-266-17/0	Steiner, Sandra		The University of Liverpool	13-Feb-18
+L-130-14/1	Donlan, Rodney M.		BioSurface Tech.	13-Feb-18
+L-130-14/1	Kirby, Wayne		BioSurface Tech.	13-Feb-18
+L-130-14/1	Murga, Ricardo		BioSurface Tech.	13-Feb-18
+L-249-13/1	Gentsch, Jon R.		Serum Institute of India Ltd.	14-Feb-18
+L-249-13/1	Glass, Roger I.		Serum Institute of India Ltd.	14-Feb-18
+L-249-13/1	Jiang, Baoming		Serum Institute of India Ltd.	14-Feb-18
+L-249-13/1	Saluzzo, Jean-francious		Serum Institute of India Ltd.	14-Feb-18
+L-249-13/1	Wang, Yuhuan		Serum Institute of India Ltd.	14-Feb-18
+L-029-14/0	CDC		Serum Institute of India Ltd.	14-Feb-18
+L-251-13/0	Gentsch, Jon R.	(b)(4);	Walvax Biotech.	14-Feb-18
+L-251-13/0	Glass, Roger I.	(b)(6)	Walvax Biotech.	14-Feb-18
+L-251-13/0	Jiang, Baoming		Walvax Biotech.	14-Feb-18
+L-251-13/0	Saluzzo, Jean-francious		Walvax Biotech.	14-Feb-18

(b) (3) (A), (b) (4), (b) (6)

+L-251-13/0	Wang, Yuhuan	(b)(4); (b)(6)	Walvax Biotech.	14-Feb-18
+L-126-14/0	Alisio, Carol H.		BioLegend, Inc.	14-Feb-18
+L-126-14/0	Black, Charlotte M.		BioLegend, Inc.	14-Feb-18
+L-126-14/0	Galland, Gale G.		BioLegend, Inc.	14-Feb-18
+L-126-14/0	Moore, Deborah D.		BioLegend, Inc.	14-Feb-18
+L-126-14/0	Phillips, Donald		BioLegend, Inc.	14-Feb-18
+L-126-14/0	Reimer, Charles B.		BioLegend, Inc.	14-Feb-18
+L-126-14/0	Wells, Thomas		BioLegend, Inc.	14-Feb-18
+L-266-17/0	Ades, Edwin W.		The University of Liverpool	15-Feb-18
+L-266-17/0	Atwell-Melnick, Nikkol		The University of Liverpool	15-Feb-18
+L-266-17/0	Caba, Joseph J.		The University of Liverpool	15-Feb-18
+L-266-17/0	Carlone, George M.		The University of Liverpool	15-Feb-18
+L-266-17/0	Martinez, Joseph E.		The University of Liverpool	15-Feb-18
+L-266-17/0	Rajam, GowriSankar		The University of Liverpool	15-Feb-18
+L-266-17/0	Sampson, Jacquelyn S.		The University of Liverpool	15-Feb-18
+L-266-17/0	Skinner, Julie M.		The University of Liverpool	15-Feb-18
+L-266-17/0	Steiner, Sandra		The University of Liverpool	15-Feb-18
+L-198-16/1	CDC		Codagenix	15-Feb-18
+L-236-15/1	Ades, Edwin W.	(b)(4);	ENTvantage Diagnostics, Inc.	16-Feb-18
+L-236-15/1	Carlone, George M.	(b)(6)	ENTvantage Diagnostics, Inc.	16-Feb-18
+L-236-15/1	O'Connor, Steven		ENTvantage Diagnostics, Inc.	16-Feb-18
+L-236-15/1	Russell, Harold		ENTvantage Diagnostics, Inc.	16-Feb-18
+L-236-15/1	Sampson, Jacquelyn S.		ENTvantage Diagnostics, Inc.	16-Feb-18
+L-236-15/1	Tharpe, Jean A.		ENTvantage Diagnostics, Inc.	16-Feb-18
+L-133-14/1	Alisio, Carol H.		Cedarlane Laboratories, LTD	21-Feb-18
+L-133-14/1	Black, Charlotte M.		Cedarlane Laboratories, LTD	21-Feb-18
+L-133-14/1	Galland, Gale G.		Cedarlane Laboratories, LTD	21-Feb-18
+L-133-14/1	Mark W. Reimer (b)(6)		Cedarlane Laboratories, LTD	21-Feb-18
+L-133-14/1	Moore, Deborah D.		Cedarlane Laboratories, LTD	21-Feb-18
+L-133-14/1	Phillips, Donald		Cedarlane Laboratories, LTD	21-Feb-18
+L-133-14/1	Wells, Thomas		Cedarlane Laboratories, LTD	21-Feb-18
+L-225-17/0	Chang, Gwong-Jen J.		InBios International, Inc.	22-Feb-18
+L-225-17/0	Davis, Brent S.		InBios International, Inc.	22-Feb-18
+L-225-17/0	Roehrig, John T.		InBios International, Inc.	22-Feb-18
+L-225-17/0	Thibodeaux, Brett A.		InBios International, Inc.	22-Feb-18
+L-187-13/0	Kulkarni, Pramod		Kanomax Japan, Inc.	23-Feb-18
+L-187-13/0	Qi, Chaolong		Kanomax Japan, Inc.	23-Feb-18
+L-184-13/0	Kulkarni, Pramod		Kanomax Japan, Inc.	23-Feb-18
+L-184-13/0	Qi, Chaolong		Kanomax Japan, Inc.	23-Feb-18
+L-134-14/1	Anderson, Larry J.		Millipore Corporation	23-Feb-18
+L-134-14/1	Hierholzer, John C.		Millipore Corporation	23-Feb-18
+L-134-14/1	Tsou, Cecelia		Millipore Corporation	23-Feb-18
+L-160-14/1	Harmon, Maurice		Millipore Corp.	23-Feb-18
+L-160-14/1	Kendal, Alan P.		Millipore Corp.	23-Feb-18
+L-160-14/1	Stockdale, Carol		Millipore Corp.	23-Feb-18
+L-160-14/1	Walls, Harriet		Millipore Corp.	23-Feb-18
+L-155-14/1	Freeman, Charlotte		Millipore Corp.	23-Feb-18
+L-155-14/1	Pallansch, Mark A.		Millipore Corp.	23-Feb-18

(b) (3) (A), (b) (4), (b) (6)

+L-150-14/1	Maher, Kaija	(b)(4);	EMD Millipore Corporation	23-Feb-18	(b) (3) (A), (b) (4), (b) (6)
+L-150-14/1	Pallansch, Mark A.	(b)(6)	EMD Millipore Corporation	23-Feb-18	
+L-157-14/2	Anderson, Larry J.		Millipore Corp.	23-Feb-18	
+L-157-14/2	Tsou, Cecelia		Millipore Corp.	23-Feb-18	
+L-141-14/3	Rupperecht, Charles E.		Millipore Corporation	23-Feb-18	
+L-141-14/3	Smith, Jean S.		Millipore Corporation	23-Feb-18	
+L-141-14/3	Yager, Pamela		Millipore Corporation	23-Feb-18	
+L-140-14/1	Anderson, Larry J.		EMD Millipore Corporation	23-Feb-18	
+L-140-14/1	Erdman, Dean D.		EMD Millipore Corporation	23-Feb-18	
+L-140-14/1	Hart, John C.		EMD Millipore Corporation	23-Feb-18	
+L-140-14/1	Peret, Teresa C.		EMD Millipore Corporation	23-Feb-18	
+L-180-13/3	Chang, Gwong-Jen J.		InBios International, Inc.	23-Feb-18	
+L-331-14/0	CDC		Microbiologics Inc.	27-Feb-18	
+L-016-15/0	Cromeans, Theresa	(b)(4);	Microbiologics, Inc.	27-Feb-18	
+L-016-15/0	Hill, Vincent R.	(b)(6)	Microbiologics, Inc.	27-Feb-18	
+L-016-15/0	Narayanan, Jothikumar		Microbiologics, Inc.	27-Feb-18	
+L-016-15/0	Vinje, Jan		Microbiologics, Inc.	27-Feb-18	
+L-108-14/2	CDC		Microbiologics, Inc.	27-Feb-18	
+L-186-13/5	Chang, Gwong-Jen J.	(b)(4);	Focus Diagnostics, Inc.	27-Feb-18	
+L-186-13/5	Roehrig, John T.	(b)(6)	Focus Diagnostics, Inc.	27-Feb-18	

NIH Patent Licensing Activities
 CDC
 March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	License			Inventor Awards March	Net Remaining to IC
					% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income		
+L-128-14/1	Harmon, Maurice	(b)(4);	Medix Biochemica	5-Mar-18	(b) (3) (A), (b) (4), (b) (6)				
+L-128-14/1	Kendal, Alan P.	(b)(6)	Medix Biochemica	5-Mar-18					
+L-128-14/1	Stockdale, Carol		Medix Biochemica	5-Mar-18					
+L-128-14/1	Walls, Harriet		Medix Biochemica	5-Mar-18					
+L-161-14/1	CDC		ZeptoMetrix Corporation	6-Mar-18					
+L-125-14/1	CDC		ZeptoMetrix Corp.	6-Mar-18					
+L-357-14/1	CDC		ZeptoMetrix Corp.	6-Mar-18					
+L-154-14/1	Black, Jodi B.	(b)(4);	Millipore Corporation	6-Mar-18					
+L-154-14/1	Lopez, Carlos	(b)(6)	Millipore Corporation	6-Mar-18					
+L-154-14/1	Pellett, Philip E.		Millipore Corporation	6-Mar-18					
+L-154-14/1	Yamamoto, Masahiro		Millipore Corporation	6-Mar-18					
+L-151-14/1	Bellini, William J.		Millipore Corp.	6-Mar-18					
+L-151-14/1	Wang, Zhongde		Millipore Corp.	6-Mar-18					
+L-154-14/1	Black, Jodi B.		Millipore Corporation	7-Mar-18					
+L-154-14/1	Lopez, Carlos		Millipore Corporation	7-Mar-18					

+L-154-14/1	Pellett, Philip E.	(b)(4);	Millipore Corporation	7-Mar-18
+L-154-14/1	Yamamoto, Masahiro	(b)(6)	Millipore Corporation	7-Mar-18
+L-141-14/3	Rupprecht, Charles E.		Millipore Corporation	7-Mar-18
+L-141-14/3	Smith, Jean S.		Millipore Corporation	7-Mar-18
+L-141-14/3	Yager, Pamela		Millipore Corporation	7-Mar-18
+L-160-14/1	Harmon, Maurice		Millipore Corp.	7-Mar-18
+L-160-14/1	Kendal, Alan P.		Millipore Corp.	7-Mar-18
+L-160-14/1	Stockdale, Carol		Millipore Corp.	7-Mar-18
+L-160-14/1	Walls, Harriet		Millipore Corp.	7-Mar-18
+L-155-14/1	Freeman, Charlotte		Millipore Corp.	7-Mar-18
+L-155-14/1	Pallansch, Mark A.		Millipore Corp.	7-Mar-18
+L-136-14/2	Roehrig, John T.		Millipore Corporation	7-Mar-18
+L-151-14/1	Bellini, William J.		Millipore Corp.	7-Mar-18
+L-151-14/1	Wang, Zhongde		Millipore Corp.	7-Mar-18
+L-150-14/1	Maher, Kaija		EMD Millipore Corporation	7-Mar-18
+L-150-14/1	Pallansch, Mark A.		EMD Millipore Corporation	7-Mar-18
+L-157-14/2	Anderson, Larry J.		Millipore Corp.	7-Mar-18
+L-157-14/2	Tsou, Cecelia		Millipore Corp.	7-Mar-18
+L-140-14/1	Anderson, Larry J.		EMD Millipore Corporation	7-Mar-18
+L-140-14/1	Erdman, Dean D.		EMD Millipore Corporation	7-Mar-18
+L-140-14/1	Hart, John C.		EMD Millipore Corporation	7-Mar-18
+L-140-14/1	Peret, Teresa C.		EMD Millipore Corporation	7-Mar-18
+L-027-14/1	Boyer, Anne E.		Immunetics, Inc.	8-Mar-18
+L-027-14/1	Brand, Joy A.		Immunetics, Inc.	8-Mar-18
+L-027-14/1	Maddison, Shirley E.		Immunetics, Inc.	8-Mar-18
+L-027-14/1	Schantz, Peter M.		Immunetics, Inc.	8-Mar-18
+L-027-14/1	Tsang, Victor C.		Immunetics, Inc.	8-Mar-18
+L-027-14/1	Wilson, Marianna		Immunetics, Inc.	8-Mar-18
+L-027-14/1	Boyer, Anne E.		Immunetics, Inc.	8-Mar-18
+L-027-14/1	Brand, Joy A.		Immunetics, Inc.	8-Mar-18
+L-027-14/1	Maddison, Shirley E.		Immunetics, Inc.	8-Mar-18
+L-027-14/1	Schantz, Peter M.		Immunetics, Inc.	8-Mar-18
+L-027-14/1	Tsang, Victor C.		Immunetics, Inc.	8-Mar-18
+L-027-14/1	Wilson, Marianna		Immunetics, Inc.	8-Mar-18
+L-125-14/1	CDC		ZeptoMetrix Corp.	14-Mar-18
+L-357-14/1	CDC		ZeptoMetrix Corp.	14-Mar-18
+L-071-18/0	McDougal, Steve	(b)(4);	Premier Medical USA Corporation	14-Mar-18
+L-071-18/0	Parekh, Bharat S.	(b)(6)	Premier Medical USA Corporation	14-Mar-18
+L-071-18/0	Pau, Chou-Pong		Premier Medical USA Corporation	14-Mar-18
+L-071-18/0	Wei, Xierong		Premier Medical USA Corporation	14-Mar-18
+L-162-13/0	Snyder, Jay L.		E.D. Bullard Co.	15-Mar-18
+L-162-13/0	Wood, Gerry O.		E.D. Bullard Co.	15-Mar-18
+L-126-15/1	Sanchez, Anthony		GlaxoSmithKline Biologicals, S.A.	16-Mar-18

Note: L-126-15/1 split between CDC; NIAID

(b) (3) (A), (b) (4), (b) (6)

+L-101-17/0	Devos, Joshua R.	(b)(4);	Life Technologies Corporation	19-Mar-18
+L-101-17/0	Wagar, Nicholas	(b)(6)	Life Technologies Corporation	19-Mar-18
+L-101-17/0	Yang, Chunfu (Dustin)		Life Technologies Corporation	19-Mar-18
+L-101-17/0	Zhou, Zhiyong		Life Technologies Corporation	19-Mar-18
+L-015-14/0	McDougal, Steve		Columbia University	20-Mar-18
+L-093-05/4	Sanchez, Anthony		Crucell Holland BV	20-Mar-18
<i>Note: L-093-05/4 split between CDC; NIAID</i>				
+L-093-05/4	CDC		Crucell Holland BV	20-Mar-18
<i>Note: L-093-05/4 split between CDC; NIAID</i>				
+L-147-13/0	McDougal, Steve	(b)(4);	Beijing Kinghawk Pharma	20-Mar-18
+L-147-13/0	Parekh, Bharat S.	(b)(6)	Beijing Kinghawk Pharma	20-Mar-18
+L-147-13/0	Wei, Xierong		Beijing Kinghawk Pharma	20-Mar-18
+L-195-14/0	Beck, Eric T.		CTK Biotech, Inc.	21-Mar-18
+L-195-14/0	Kinney, Claire Huang		CTK Biotech, Inc.	21-Mar-18
+L-195-14/0	Kinney, Richard M.		CTK Biotech, Inc.	21-Mar-18
+L-142-14/2	Alisio, Carol H.		ife Technologies Corporation	21-Mar-18
+L-142-14/2	Black, Charlotte M.		ife Technologies Corporation	21-Mar-18
+L-142-14/2	Galland, Gale G.		ife Technologies Corporation	21-Mar-18
+L-142-14/2	Moore, Deborah D.		ife Technologies Corporation	21-Mar-18
+L-142-14/2	Phillips, Donald		ife Technologies Corporation	21-Mar-18
+L-142-14/2	Reimer, Charles B.		ife Technologies Corporation	21-Mar-18
+L-142-14/2	Wells, Thomas		ife Technologies Corporation	21-Mar-18
+L-144-13/0	Kent, Rebekah J.		BioQuip Products	21-Mar-18
+L-144-13/0	Komar, Nicholas		BioQuip Products	21-Mar-18
+L-144-13/0	Panella, Nicholas A.		BioQuip Products	21-Mar-18
+L-074-18/0	Roehrig, John T.		Millipore Sigma	22-Mar-18
+L-074-18/0	Thibodeaux, Brett A.		Millipore Sigma	22-Mar-18
+L-225-13/0	Rupprecht, Charles E.		oint-Stock Company, Pokrov Bio. Plant	22-Mar-18
+L-225-13/0	Wu, Xianfu		oint-Stock Company, Pokrov Bio. Plant	22-Mar-18
+L-225-13/0	Rupprecht, Charles E.		oint-Stock Company, Pokrov Bio. Plant	22-Mar-18
+L-225-13/0	Wu, Xianfu		oint-Stock Company, Pokrov Bio. Plant	22-Mar-18
+L-158-14/2	Harmon, Maurice		Becton, Dickinson and Co.	23-Mar-18
+L-158-14/2	Kendal, Alan P.		Becton, Dickinson and Co.	23-Mar-18
+L-158-14/2	Stockdale, Carol		Becton, Dickinson and Co.	23-Mar-18
+L-158-14/2	Walls, Harriet		Becton, Dickinson and Co.	23-Mar-18
+L-140-13/0	Lewis, Daniel M.		Alexeter Technologies	26-Mar-18
+L-140-13/0	Schmechel, Detlef		Alexeter Technologies	26-Mar-18
+L-111-14/2	CDC		Invenprise LLC	26-Mar-18
+L-220-13/0	Frey, Garrett S.	(b)(4);	DASH Connector Technology, Ing.	27-Mar-18
+L-220-13/0	King, Grant W.	(b)(6)	DASH Connector Technology, Ing.	27-Mar-18
+L-220-13/0	Miller, Arthur L.		DASH Connector Technology, Ing.	27-Mar-18
+L-220-13/0	Rains, Richard		DASH Connector Technology, Ing.	27-Mar-18
+L-220-13/0	Sunderman, Carl B.		DASH Connector Technology, Ing.	27-Mar-18

(b) (3) (A), (b) (4), (b) (6)

+L-026-18/0	Anderson, Burt E.	(b)(4);	ID-FISH Technology, Inc	27-Mar-18
+L-026-18/0	Dawson, Jacqueline E.	(b)(6)	ID-FISH Technology, Inc	27-Mar-18
+L-026-18/0	Anderson, Burt E.		ID-FISH Technology, Inc	27-Mar-18
+L-026-18/0	Dawson, Jacqueline E.		ID-FISH Technology, Inc	27-Mar-18
+L-108-14/3	CDC		Microbiologics, Inc.	28-Mar-18
+L-025-16/0	Roehrig, John T.	(b)(4);	Hennessy Research Associates	28-Mar-18
+L-025-16/0	Roehrig, John T.	(b)(6)	Hennessy Research Associates	28-Mar-18
+L-174-13/1	Chang, Gwong-Jen J.		Hennessy Research Associates	29-Mar-18
+L-210-17/0	CDC		Quest Diagnostics Inc.	29-Mar-18
+L-235-13/0	Berman, LaShondra	(b)(4);	Life Technologies Corp.	29-Mar-18
+L-235-13/0	Emery, Shannon L.	(b)(6)	Life Technologies Corp.	29-Mar-18
+L-235-13/0	Lindstrom, Stephen		Life Technologies Corp.	29-Mar-18
+L-235-13/0	Shu, Bo		Life Technologies Corp.	29-Mar-18
+L-197-13/1	Cox, Nancy J.		Life Technologies Corporation	29-Mar-18
+L-197-13/1	Klimov, Alexander I.		Life Technologies Corporation	29-Mar-18
+L-197-13/1	Lindstrom, Stephen		Life Technologies Corporation	29-Mar-18
+L-197-13/1	Loftin, Lamorris		Life Technologies Corporation	29-Mar-18
+L-137-14/0	Alisio, Carol H.		eBioscience, Inc.	29-Mar-18
+L-137-14/0	Black, Charlotte M.		eBioscience, Inc.	29-Mar-18
+L-137-14/0	Galland, Gale G.		eBioscience, Inc.	29-Mar-18
+L-137-14/0	Mark W. Reimer (b)(6)		eBioscience, Inc.	29-Mar-18
+L-137-14/0	Moore, Deborah D.		eBioscience, Inc.	29-Mar-18
+L-137-14/0	Phillips, Donald		eBioscience, Inc.	29-Mar-18
+L-137-14/0	Wells, Thomas		eBioscience, Inc.	29-Mar-18
+L-203-14/0	Albarino, Cesar G.		Merial Limited	29-Mar-18
+L-203-14/0	Bird, Brian H.		Merial Limited	29-Mar-18
+L-203-14/0	Ksiazek, Thomas G.		Merial Limited	29-Mar-18
+L-203-14/0	Nichol, Stuart T.		Merial Limited	29-Mar-18

(b) (3) (A), (b) (4), (b) (6)

\$1 073 408.63	\$219 088.11	\$1 292 496.74	\$305 007.56	\$987 489.18
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+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
CIT
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-111-06/0	CIT		ICAD Inc	17-Oct-17						(b) (3) (A), (b) (4)

Note: L-111-06/0 split between CC; CIT; NIDCD

NIH Patent Licensing Activities
CIT
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
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NIH Patent Licensing Activities
CIT
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-232-14/0	powell, john I	(b)(4); (b)(6)	NanoString Technologies, Inc.	12-Dec-17						(b) (3) (A), (b) (4), (b) (6)
+L-318-01/0	Pohida, Thomas J.	(b)(4); (b)(6)	rcturus	26-Dec-17						

Note: L-232-14/0 split between CIT; NCI
Note: L-318-01/0 split between CIT; NIBIB; NICHD

NIH Patent Licensing Activities
CIT
January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-028-18/0	Cheng, Ruida	(b)(4); (b)(6)	Scanmed LLC	3-Jan-18						(b) (3) (A), (b) (4), (b) (6)
+L-028-18/0	McAuliffe, Matthew	(b)(6)	Scanmed LLC	3-Jan-18						
+L-028-18/0	CIT		Scanmed LLC	10-Jan-18						

Note: L-028-18/0 split between CC; CIT; NCI

NIH Patent Licensing Activities
CIT
February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-028-18/0	CIT		Scanmed LLC	8-Feb-18						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-028-18/0 split between CC; CIT; NCI</i>										
+L-008-15/1	Pohida, Thomas J.	(b)(4); (b)	xMD Diagnostics, LLC	20-Feb-18						
<i>Note: L-008-15/1 split between CIT; NCI; NICHD</i>										
+L-008-15/1	CIT		xMD Diagnostics, LLC	21-Feb-18						
<i>Note: L-008-15/1 split between CIT; NCI; NICHD</i>										
+L-008-15/1	CIT		xMD Diagnostics, LLC	21-Feb-18						
<i>Note: L-008-15/1 split between CIT; NCI; NICHD</i>										

NIH Patent Licensing Activities

CIT

March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-232-14/0	CIT		NanoString Technologies, Inc.	14-Mar-18						(b) (3) (A), (b) (4)
<i>Note: L-232-14/0 split between CIT; NCI</i>										

					\$2,563.50	\$0.00	\$2,563.50		\$1,353.86	\$1,209.64
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+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
 FDA
 October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-001-15/2	FDA		Merck Sharp & Dohme, Corp.	19-Sep-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-001-15/2 split between FDA; NIAID</i>										
+L-019-08/0	Golding, Hana	(b)(4);	Institut Pasteur	21-Sep-17						
+L-019-08/0	Khurana, Surender	(b)(6)	Institut Pasteur	21-Sep-17						
<i>Note: L-019-08/0 split between FDA; NCI; NIAID; NIBIB; NIDDK</i>										
+L-130-15/0	FDA		A'as Inc.	22-Sep-17						
<i>Note: L-130-15/0 split between FDA; NCI</i>										
+L-019-08/0	Golding, Hana	(b)(4);	Institut Pasteur	12-Oct-17						
+L-019-08/0	Khurana, Surender	(b)(6)	Institut Pasteur	12-Oct-17						
<i>Note: L-019-08/0 split between FDA; NCI; NIAID; NIBIB; NIDDK</i>										
+L-130-15/0	FDA		A'as Inc.	16-Oct-17						
<i>Note: L-130-15/0 split between FDA; NCI</i>										
+L-046-17/1	Falgout, Barry	(b)(4);	Medigen Vaccine Biologics Corp	26-Oct-17						
+L-046-17/1	Markoff, Lewis	(b)(6)	Medigen Vaccine Biologics Corp	26-Oct-17						
<i>Note: L-046-17/1 split between FDA; NIAID</i>										

NIH Patent Licensing Activities
 FDA
 November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
+L-130-15/0	FDA		A'as Inc.	16-Nov-17						(b) (3) (A), (b) (4)
<i>Note: L-130-15/0 split between FDA; NCI</i>										

NIH Patent Licensing Activities
 FDA
 December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-130-15/0	FDA		A'as Inc.	15-Dec-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-130-15/0 split between FDA; NCI</i>										
+L-217-16/0	Falgout, Barry	(b)(4);	Indian Immunologicals Ltd	22-Dec-17						
+L-217-16/0	Markoff, Lewis	(b)(6)	Indian Immunologicals Ltd	22-Dec-17						

Note: L-217-16/0 split between FDA; NIAID

+L-080-06/3 FDA Panacea Biotech Ltd. 27-Dec-17
 Note: L-080-06/3 split between FDA; NIAID

+L-046-17/1 Falgout, Barry (b)(4);
 +L-046-17/1 Markoff, Lewis (b)(6) Medigen Vaccine Biologics Corp 28-Dec-17
 Note: L-046-17/1 split between FDA; NIAID

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
 FDA
 January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-089-07/0	Petricoin, Emanuel	(b)(4); (b)(6)	Theranostics Health	1-Jan-18						(b) (3) (A), (b) (4), (b) (6)
Note: L-089-07/0 split between FDA; NCI										
+L-035-13/0	Falgout, Barry		GlaxoSmithKline	2-Jan-18						
+L-035-13/0	Markoff, Lewis		GlaxoSmithKline	2-Jan-18						
Note: L-035-13/0 split between FDA; NIAID										
+L-149-15/0	Falgout, Barry		Serum Institute of India Ltd.	4-Jan-18						
+L-149-15/0	Markoff, Lewis		Serum Institute of India Ltd.	4-Jan-18						
Note: L-149-15/0 split between FDA; NIAID										

NIH Patent Licensing Activities
 FDA
 February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-130-15/0	FDA		A'as Inc.	1-Feb-18						(b) (3) (A), (b) (4), (b) (6)
Note: L-130-15/0 split between FDA; NCI										
+L-216-16/0	Falgout, Barry	(b)(4); (b)(6)	Humabs BioMed SA	5-Feb-18						
+L-216-16/0	Markoff, Lewis		Humabs BioMed SA	5-Feb-18						
Note: L-216-16/0 split between FDA; NIAID										
+L-111-13/0	Donnelly, Raymond P.		EMD Millipore Corp.	23-Feb-18						
Note: L-111-13/0 split between FDA; NCI										

NIH Patent Licensing Activities
 FDA
 March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-149-15/0	FDA		Serum Institute of India Ltd.	13-Mar-18						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-149-15/0 split between FDA; NIAID</i>										
+L-080-06/3	Falgout, Barry	(b)(4);	Panacea Biotech Ltd.	21-Mar-18						
+L-080-06/3	Markoff, Lewis	(b)(6)	Panacea Biotech Ltd.	21-Mar-18						
<i>Note: L-080-06/3 split between FDA; NIAID</i>										
					\$104,374.45	\$0.00	\$104,374.45		\$24,633.16	\$79,741.29

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NCATS
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
+L-025-17/1	Morris, Patrick	(b)(4); (b)(6)	ocris Bioscience	26-Sep-17						(b) (3) (A), (b) (4), (b) (6)
+L-025-17/1	Thomas, Craig J.	(6)	ocris Bioscience	26-Sep-17						

Note: L-025-17/1 split between NCATS; NIA; NIMH

NIH Patent Licensing Activities
NCATS
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
+L-169-16/0	NCATS		TeamedOn International, LLC	1-Nov-17						(b) (3) (A), (b) (4)
+L-055-15/0	NCATS		Lysosomal Therapeutics, Inc.	7-Nov-17						

Note: L-055-15/0 split between NCATS; NHGRI

NIH Patent Licensing Activities
NCATS
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-025-17/1	Morris, Patrick	(b)(4);	Tocris Bioscience	1-Dec-17						(b) (3) (A), (b) (4), (b) (6)
+L-025-17/1	Thomas, Craig J.	(b)(6)	Tocris Bioscience	1-Dec-17						
Note: L-025-17/1 split between NCATS; NIA; NIMH										
+L-065-16/0	Dranchak, Patricia Karen		Charcot-Marie-Tooth Association	18-Dec-17						
+L-065-16/0	Inglese, James		Charcot-Marie-Tooth Association	18-Dec-17						
+L-032-12/0	NCATS		Agios Pharmaceuticals Inc	21-Dec-17						

Note: L-032-12/0 split between NCATS; NHGRI

NIH Patent Licensing Activities
NCATS
January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-208-15/0	NCATS		Virotas Biopharmaceuticals, LLC	3-Jan-18						(b) (3) (A), (b) (4)

Note: L-208-15/0 split between NCATS; NIDDK

NIH Patent Licensing Activities
NCATS
February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-016-16/0	Marugan, Juan J.	(b)(4); (b)(6)	The General Hospital Corporation	1-Feb-18						(b) (3) (A), (b) (4), (b) (6)
+L-049-14/0	NCATS		Rockefeller University	6-Feb-18						
<i>Note: L-049-14/0 split between NCATS; NHGRI</i>										
+L-080-15/0	Cheng, Chih-Chien (Ken)	(b)(4); (b)(6)	Promega Corporation	21-Feb-18						
+L-080-15/0	Hasson, Samuel A.	(b)(6)	Promega Corporation	21-Feb-18						
+L-080-15/0	Inglese, James	(b)(6)	Promega Corporation	21-Feb-18						

NIH Patent Licensing Activities
NCATS
March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-116-13/0	Auld, Douglas S.	(b)(4); (b)(6)	EMD Millipore Corp.	6-Mar-18						(b) (3) (A), (b) (4), (b) (6)
+L-116-13/0	Boxer, Matthew	(b)(6)	EMD Millipore Corp.	6-Mar-18						
+L-116-13/0	Inglese, James	(b)(6)	EMD Millipore Corp.	6-Mar-18						
+L-116-13/0	Jiang, Jian-kang	(b)(6)	EMD Millipore Corp.	6-Mar-18						
+L-116-13/0	Shen, Min	(b)(6)	EMD Millipore Corp.	6-Mar-18						
+L-116-13/0	Skoumbourdis, Amanda P.	(b)(6)	EMD Millipore Corp.	6-Mar-18						
+L-116-13/0	Thomas, Craig J.	(b)(6)	EMD Millipore Corp.	6-Mar-18						
<i>Note: L-116-13/0 split between NCATS; NHGRI</i>										
+L-116-13/0	Auld, Douglas S.	(b)(4); (b)(6)	EMD Millipore Corp.	7-Mar-18						
+L-116-13/0	Boxer, Matthew	(b)(6)	EMD Millipore Corp.	7-Mar-18						
+L-116-13/0	Inglese, James	(b)(6)	EMD Millipore Corp.	7-Mar-18						
+L-116-13/0	Jiang, Jian-kang	(b)(6)	EMD Millipore Corp.	7-Mar-18						
+L-116-13/0	Shen, Min	(b)(6)	EMD Millipore Corp.	7-Mar-18						
+L-116-13/0	Skoumbourdis, Amanda P.	(b)(6)	EMD Millipore Corp.	7-Mar-18						
+L-116-13/0	Thomas, Craig J.	(b)(6)	EMD Millipore Corp.	7-Mar-18						
<i>Note: L-116-13/0 split between NCATS; NHGRI</i>										
+L-055-15/0	Marugan, Juan J.	(b)(4); (b)(6)	Lysosomal Therapeutics, Inc.	9-Mar-18						
+L-055-15/0	Patnaik, Samarjit	(b)(6)	Lysosomal Therapeutics, Inc.	9-Mar-18						
+L-055-15/0	Southall, Noel T.	(b)(6)	Lysosomal Therapeutics, Inc.	9-Mar-18						
+L-055-15/0	Zheng, Wei	(b)(6)	Lysosomal Therapeutics, Inc.	9-Mar-18						
<i>Note: L-055-15/0 split between NCATS; NHGRI</i>										
+L-055-15/0	NCATS		Lysosomal Therapeutics, Inc.	9-Mar-18						
<i>Note: L-055-15/0 split between NCATS; NHGRI</i>										
+L-134-15/0	NCATS		Subrimed, Inc	14-Mar-18						

Note: L-134-15/0 split between NCATS; NHGRI

+L-080-15/0	Cheng, Chih-Chien (Ken)	(b)(4); (b)	romega Corporation
+L-080-15/0	Hasson, Samuel A.	(6)	romega Corporation
+L-080-15/0	Inglese, James		romega Corporation

29-Mar-18
29-Mar-18
29-Mar-18

(b) (3) (A), (b) (4), (b) (6)

<u>\$29,278.28</u>	<u>\$60,019.72</u>	<u>\$89,298.00</u>	<u>\$10,210.57</u>	<u>\$79,087.43</u>
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+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
 NCI
 October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License	Inventor Awards October	Net Remaining to IC
								Cumulative Income		
+L-242-02/2	Kawakami, Yutaka	(b)(4);	Biocare Medical, LLC	27-Jul-17						(b) (3) (A), (b) (4), (b) (6)
+L-242-02/2	Rosenberg, Steven A.	(b)(6)	Biocare Medical, LLC	27-Jul-17						
+L-336-17/0	Bonomi, Carrie A.		Agenus, Inc.	18-Sep-17						
+L-336-17/0	Borgel, Suzanne D.		Agenus, Inc.	18-Sep-17						
+L-336-17/0	Dougherty, Kelly		Agenus, Inc.	18-Sep-17						
+L-336-17/0	Hollingshead, Melinda G.		Agenus, Inc.	18-Sep-17						
+L-068-04/2	Bartlett, David L		Jennerex, LLC	19-Sep-17						
+L-068-04/2	McCart, Judith Andrea		Jennerex, LLC	19-Sep-17						
<i>Note: L-068-04/2 split between NCI; NIAID</i>										
+L-068-04/2	NCI		Jennerex, LLC	19-Sep-17						
<i>Note: L-068-04/2 split between NCI; NIAID</i>										
+L-308-17/0	Fowler, Daniel	(b)(4);	Rapa Therapeutics LLC	21-Sep-17						
+L-308-17/0	Gress, Ronald E.	(b)(6)	Rapa Therapeutics LLC	21-Sep-17						
+L-308-17/0	Jung, Sun-Hee		Rapa Therapeutics LLC	21-Sep-17						
+L-019-08/0	Ahlers, Jeffrey D		Institut Pasteur	21-Sep-17						
+L-019-08/0	Berzofsky, Jay A.		Institut Pasteur	21-Sep-17						
+L-019-08/0	Chang, Nancy T.		Institut Pasteur	21-Sep-17						
+L-019-08/0	Crowl, Robert		Institut Pasteur	21-Sep-17						
+L-019-08/0	Fisher, Amanda G.		Institut Pasteur	21-Sep-17						
+L-019-08/0	Gallo, Robert C.		Institut Pasteur	21-Sep-17						
+L-019-08/0	Hahn, Beatrice		Institut Pasteur	21-Sep-17						
+L-019-08/0	Nara, Peter L		Institut Pasteur	21-Sep-17						
+L-019-08/0	Pendleton, Charles D.		Institut Pasteur	21-Sep-17						
+L-019-08/0	Popovic, Mikulas		Institut Pasteur	21-Sep-17						
+L-019-08/0	Reddy, E. Premkumar.		Institut Pasteur	21-Sep-17						
+L-019-08/0	Sarngadharan, Mangalasseril		Institut Pasteur	21-Sep-17						
+L-019-08/0	Shaw, George M		Institut Pasteur	21-Sep-17						
+L-019-08/0	Shirai, Mutsunori		Institut Pasteur	21-Sep-17						
+L-019-08/0	Wong-Staal, Flossie		Institut Pasteur	21-Sep-17						
<i>Note: L-019-08/0 split between FDA; NCI; NIAID; NIBIB; NIDDK</i>										
+L-264-17/0	Bonomi, Carrie A.	(b)(4);	AstraZeneca	22-Sep-17						
+L-264-17/0	Borgel, Suzanne D.	(b)(6)	AstraZeneca	22-Sep-17						
+L-264-17/0	Dougherty, Kelly		AstraZeneca	22-Sep-17						
+L-264-17/0	Hollingshead, Melinda G.		AstraZeneca	22-Sep-17						
+L-264-17/0	Bonomi, Carrie A.		AstraZeneca	22-Sep-17						
+L-264-17/0	Borgel, Suzanne D.		AstraZeneca	22-Sep-17						
+L-264-17/0	Dougherty, Kelly		AstraZeneca	22-Sep-17						
+L-264-17/0	Hollingshead, Melinda G.		AstraZeneca	22-Sep-17						
+L-259-16/1	NCI		Kite Pharma, Inc.	22-Sep-17						
+L-130-15/0	NCI		A'as Inc.	22-Sep-17						
<i>Note: L-130-15/0 split between FDA; NCI</i>										
+L-273-17/0	Bonomi, Carrie A.	(b)(4);	Kyowa Hakko Kirin Co., Ltd	25-Sep-17						

+L-273-17/0	Borgel, Suzanne D.	(b)(4);	Kyowa Hako Kirin Co., Ltd	25-Sep-17
+L-273-17/0	Dougherty, Kelly	(b)(6)	Kyowa Hako Kirin Co., Ltd	25-Sep-17
+L-273-17/0	Hollingshead, Melinda G.		Kyowa Hako Kirin Co., Ltd	25-Sep-17
+L-273-17/0	Bonomi, Carrie A.		Kyowa Hako Kirin Co., Ltd	25-Sep-17
+L-273-17/0	Borgel, Suzanne D.		Kyowa Hako Kirin Co., Ltd	25-Sep-17
+L-273-17/0	Dougherty, Kelly		Kyowa Hako Kirin Co., Ltd	25-Sep-17
+L-273-17/0	Hollingshead, Melinda G.		Kyowa Hako Kirin Co., Ltd	25-Sep-17
+L-338-17/1	Hanada, Kenichi		Pact Pharma, Inc	25-Sep-17
+L-338-17/1	Yang, James C		Pact Pharma, Inc	25-Sep-17
+L-338-17/1	Yu, Zhiya		Pact Pharma, Inc	25-Sep-17
+L-252-17/0	Bonomi, Carrie A.		Champions Oncology, Inc.	26-Sep-17
+L-252-17/0	Borgel, Suzanne D.		Champions Oncology, Inc.	26-Sep-17
+L-252-17/0	Dougherty, Kelly		Champions Oncology, Inc.	26-Sep-17
+L-252-17/0	Hollingshead, Melinda G.		Champions Oncology, Inc.	26-Sep-17
+L-252-17/0	Bonomi, Carrie A.		Champions Oncology, Inc.	26-Sep-17
+L-252-17/0	Borgel, Suzanne D.		Champions Oncology, Inc.	26-Sep-17
+L-252-17/0	Dougherty, Kelly		Champions Oncology, Inc.	26-Sep-17
+L-252-17/0	Hollingshead, Melinda G.		Champions Oncology, Inc.	26-Sep-17
+L-107-10/2	Isenberg, Jeffrey		Vasculox, Inc.	26-Sep-17
+L-107-10/2	Roberts, David D.		Vasculox, Inc.	26-Sep-17
+L-107-10/2	(b) (4)		Vasculox, Inc.	26-Sep-17
+L-259-17/0	Kochenderfer, James N		CRISPR Therapeutics AG	27-Sep-17
+L-259-17/0	Kochenderfer, James N		CRISPR Therapeutics AG	27-Sep-17
+L-259-17/0	NCI		CRISPR Therapeutics AG	27-Sep-17
+L-054-10/2	NCI		Research Corp Techn. Inc.	1-Oct-17
+L-298-96/2	NCI		Merck & Co., Inc.	2-Oct-17
+L-048-15/1	Schlom, Jeffrey	(b)(4);	PDS Biotechnology Corp	2-Oct-17
+L-048-15/1	Tsang, Kwong-Yok	(b)(6)	PDS Biotechnology Corp	2-Oct-17
+L-050-05/0	Aaronson, Stuart A.		Research & Diagnostic Systems Inc	2-Oct-17
+L-050-05/0	Finch, Paul W.		Research & Diagnostic Systems Inc	2-Oct-17
+L-050-05/0	He, Xi		Research & Diagnostic Systems Inc	2-Oct-17
+L-050-05/0	Rubin, Jeffrey S		Research & Diagnostic Systems Inc	2-Oct-17
+L-022-12/1	Gazdar, Adi F.		Genzyme Corp.	3-Oct-17
+L-022-12/1	Johnson, Bruce E		Genzyme Corp.	3-Oct-17
+L-022-12/1	Kaye, Frederic J		Genzyme Corp.	3-Oct-17
+L-022-12/1	Khleif, Samir N.		Genzyme Corp.	3-Oct-17
+L-022-12/1	Minna, John D.		Genzyme Corp.	3-Oct-17
+L-022-12/1	Oie, Herbert K		Genzyme Corp.	3-Oct-17
+L-022-12/1	Pass, Harvey I.		Genzyme Corp.	3-Oct-17
+L-115-95/2	NCI		MedImmune, Inc.	3-Oct-17
+L-273-14/0	Chang, Nancy T.	(b)(4);	Grifols Worldwide Operations Ltd.	3-Oct-17
+L-273-14/0	Crowl, Robert	(b)(6)	Grifols Worldwide Operations Ltd.	3-Oct-17
+L-273-14/0	Fisher, Amanda G.		Grifols Worldwide Operations Ltd.	3-Oct-17
+L-273-14/0	Gallo, Robert C.		Grifols Worldwide Operations Ltd.	3-Oct-17

(b) (3) (A), (b) (4), (b) (6)

+L-273-14/0	Hahn, Beatrice	(b)(4);	Grifols Worldwide Operations Ltd.	3-Oct-17
+L-273-14/0	Popovic, Mikulas	(b)(6)	Grifols Worldwide Operations Ltd.	3-Oct-17
+L-273-14/0	Reddy, E. Premkumar.		Grifols Worldwide Operations Ltd.	3-Oct-17
+L-273-14/0	Sarngadharan, Mangalasseril		Grifols Worldwide Operations Ltd.	3-Oct-17
+L-273-14/0	Shaw, George M		Grifols Worldwide Operations Ltd.	3-Oct-17
+L-273-14/0	Wong-Staal, Flossie		Grifols Worldwide Operations Ltd.	3-Oct-17
+L-265-17/0	Hanada, Kenichi		Pfizer, Inc.	4-Oct-17
+L-265-17/0	Yang, James C		Pfizer, Inc.	4-Oct-17
+L-265-17/0	Yu, Zhiya		Pfizer, Inc.	4-Oct-17
+L-265-17/0	Hanada, Kenichi		Pfizer, Inc.	4-Oct-17
+L-265-17/0	Yang, James C		Pfizer, Inc.	4-Oct-17
+L-265-17/0	Yu, Zhiya		Pfizer, Inc.	4-Oct-17
+L-036-04/0	Copeland, Terry D.		Monogram Biologics	4-Oct-17
+L-036-04/0	Gallo, Robert C.		Monogram Biologics	4-Oct-17
+L-036-04/0	Oroszlan, Stephen		Monogram Biologics	4-Oct-17
+L-036-04/0	Popovic, Mikulas		Monogram Biologics	4-Oct-17
+L-036-04/0	Sarngadharan, Mangalasseril		Monogram Biologics	4-Oct-17
<i>Note: L-036-04/0 split between NCI; NIAID; NIMH</i>				
+L-165-99/1	Crowl, Robert		Trinity Biotech	4-Oct-17
+L-165-99/1	Gallo, Robert C.		Trinity Biotech	4-Oct-17
+L-165-99/1	(b) (4)		Trinity Biotech	4-Oct-17
+L-165-99/1	Popovic, Mikulas		Trinity Biotech	4-Oct-17
+L-165-99/1	Reddy, E. Premkumar.		Trinity Biotech	4-Oct-17
+L-165-99/1	Sarngadharan, Mangalasseril		Trinity Biotech	4-Oct-17
+L-165-99/1	Shaw, George M		Trinity Biotech	4-Oct-17
+L-165-99/1	Wong-Staal, Flossie		Trinity Biotech	4-Oct-17
+L-165-99/1	Crowl, Robert		Trinity Biotech	4-Oct-17
+L-165-99/1	Gallo, Robert C.		Trinity Biotech	4-Oct-17
+L-165-99/1	(b) (4)		Trinity Biotech	4-Oct-17
+L-165-99/1	Popovic, Mikulas		Trinity Biotech	4-Oct-17
+L-165-99/1	Reddy, E. Premkumar.		Trinity Biotech	4-Oct-17
+L-165-99/1	Sarngadharan, Mangalasseril		Trinity Biotech	4-Oct-17
+L-165-99/1	Shaw, George M		Trinity Biotech	4-Oct-17
+L-165-99/1	Wong-Staal, Flossie		Trinity Biotech	4-Oct-17
+L-321-17/0	Felber, Barbara K.		Pfizer, Inc	5-Oct-17
+L-321-17/0	Pavakis, George N		Pfizer, Inc	5-Oct-17
+L-308-17/0	Fowler, Daniel		Rapa Therapeutics LLC	5-Oct-17
+L-308-17/0	Gress, Ronald E.		Rapa Therapeutics LLC	5-Oct-17
+L-308-17/0	Jung, Sun-Hee		Rapa Therapeutics LLC	5-Oct-17
+L-308-17/0	NCI		Rapa Therapeutics LLC	5-Oct-17
+L-228-01/0	NCI		Cytos Biotechnology, Inc.	6-Oct-17
+L-309-17/0	Tang, Binwu	(b)(4);	EMD Millipore Corporation	6-Oct-17
+L-309-17/0	Wakefield, Lalage M	(b)(6)	EMD Millipore Corporation	6-Oct-17
+L-080-93/2	Hathcock, Karen		BD Biosciences - BD PharMingen, Inc.	11-Oct-17
+L-080-93/2	Hodes, Richard		BD Biosciences - BD PharMingen, Inc.	11-Oct-17
+L-080-93/2	Laszlo, Gloria		BD Biosciences - BD PharMingen, Inc.	11-Oct-17
+L-049-91/5	Aaronson, Stuart A.		Biovitium AB (publ)	11-Oct-17

+L-049-91/5	Finch, Paul W.	(b)(4);	Biovitium AB (publ)	11-Oct-17
+L-049-91/5	Rubin, Jeffrey S	(b)(6)	Biovitium AB (publ)	11-Oct-17
+L-049-91/5	Aaronson, Stuart A.		Biovitium AB (publ)	11-Oct-17
+L-049-91/5	Finch, Paul W.		Biovitium AB (publ)	11-Oct-17
+L-049-91/5	Rubin, Jeffrey S		Biovitium AB (publ)	11-Oct-17
+L-066-15/0	Rosenberg, Steven A.		Genentech., Inc.	11-Oct-17
+L-004-07/2	NCI		Life Technologies Corp.	11-Oct-17
+L-058-15/0	Chang, Nancy T.	(b)(4);	Alere Inc.	11-Oct-17
+L-058-15/0	Crowl, Robert	(b)(6)	Alere Inc.	11-Oct-17
+L-058-15/0	Gallo, Robert C.		Alere Inc.	11-Oct-17
+L-058-15/0	(b) (4)		Alere Inc.	11-Oct-17
+L-058-15/0	Reddy, E. Premkumar.		Alere Inc.	11-Oct-17
+L-058-15/0	Shaw, George M		Alere Inc.	11-Oct-17
+L-058-15/0	Wong-Staal, Flossie		Alere Inc.	11-Oct-17
+L-058-15/0	Chang, Nancy T.		Alere Inc.	11-Oct-17
+L-058-15/0	Crowl, Robert		Alere Inc.	11-Oct-17
+L-058-15/0	Gallo, Robert C.		Alere Inc.	11-Oct-17
+L-058-15/0	(b) (4)		Alere Inc.	11-Oct-17
+L-058-15/0	Reddy, E. Premkumar.		Alere Inc.	11-Oct-17
+L-058-15/0	Shaw, George M		Alere Inc.	11-Oct-17
+L-058-15/0	Wong-Staal, Flossie		Alere Inc.	11-Oct-17
+L-086-11/0	Baskar, Sivasubramanian		Miltenyi Biotec GMBH	12-Oct-17
+L-086-11/0	Rader, Christoph		Miltenyi Biotec GMBH	12-Oct-17
+L-077-15/2	NCI		Kite Pharma, Inc.	12-Oct-17
+L-126-10/0	Bonner, William M	(b)(4);	Enzo Life Sciences, Inc.	12-Oct-17
+L-126-10/0	Rogakou, Eftimia P	(b)(6)	Enzo Life Sciences, Inc.	12-Oct-17
+L-019-08/0	Ahlers, Jeffrey D		Institut Pasteur	12-Oct-17
+L-019-08/0	Berzofsky, Jay A.		Institut Pasteur	12-Oct-17
+L-019-08/0	Chang, Nancy T.		Institut Pasteur	12-Oct-17
+L-019-08/0	Crowl, Robert		Institut Pasteur	12-Oct-17
+L-019-08/0	Fisher, Amanda G.		Institut Pasteur	12-Oct-17
+L-019-08/0	Gallo, Robert C.		Institut Pasteur	12-Oct-17
+L-019-08/0	Hahn, Beatrice		Institut Pasteur	12-Oct-17
+L-019-08/0	Nara, Peter L		Institut Pasteur	12-Oct-17
+L-019-08/0	Pendleton, Charles D.		Institut Pasteur	12-Oct-17
+L-019-08/0	Popovic, Mikulas		Institut Pasteur	12-Oct-17
+L-019-08/0	Reddy, E. Premkumar.		Institut Pasteur	12-Oct-17
+L-019-08/0	Sarngadharan, Mangalasseril		Institut Pasteur	12-Oct-17
+L-019-08/0	Shaw, George M		Institut Pasteur	12-Oct-17
+L-019-08/0	Shirai, Mutsunori		Institut Pasteur	12-Oct-17
+L-019-08/0	Wong-Staal, Flossie		Institut Pasteur	12-Oct-17
<i>Note: L-019-08/0 split between FDA; NCI; NIAID; NIBIB; NIDDK</i>				
+L-130-15/0	NCI		A'as Inc.	16-Oct-17
<i>Note: L-130-15/0 split between FDA; NCI</i>				
+L-327-17/0	Gao, Wei	(b)(4);	Diagnostic BioSystems	17-Oct-17
+L-327-17/0	Hassan, Raffit	(b)(6)	Diagnostic BioSystems	17-Oct-17
+L-327-17/0	Ho, Mitchell		Diagnostic BioSystems	17-Oct-17
+L-327-17/0	Pastan, Ira H		Diagnostic BioSystems	17-Oct-17

(b) (3) (A), (b) (4), (b) (6)

+L-327-17/0	Phung, Yen T.	(b)(4);	Diagnostic BioSystems	17-Oct-17
+L-327-17/0	Zhang, Yifan	(b)(6)	Diagnostic BioSystems	17-Oct-17
+L-325-17/0	Gao, Wei		Diagnostic BioSystems	17-Oct-17
+L-325-17/0	Ho, Mitchell		Diagnostic BioSystems	17-Oct-17
+L-325-17/0	Phung, Yen T.		Diagnostic BioSystems	17-Oct-17
+L-325-17/0	Zhang, Yifan		Diagnostic BioSystems	17-Oct-17
+L-048-15/1	NCI		PDS Biotechnology Corp	18-Oct-17
+L-091-11/0	Chang, Nancy T.	(b)(4);	Quest Diagnostics, Inc.	18-Oct-17
+L-091-11/0	Fisher, Amanda G.	(b)(6)	Quest Diagnostics, Inc.	18-Oct-17
+L-091-11/0	Gallo, Robert C.		Quest Diagnostics, Inc.	18-Oct-17
+L-091-11/0	Hahn, Beatrice		Quest Diagnostics, Inc.	18-Oct-17
+L-091-11/0	(b) (4)		Quest Diagnostics, Inc.	18-Oct-17
+L-091-11/0	Popovic, Mikulas		Quest Diagnostics, Inc.	18-Oct-17
+L-091-11/0	Sarnagadharan, Mangalasseril		Quest Diagnostics, Inc.	18-Oct-17
+L-091-11/0	Shaw, George M		Quest Diagnostics, Inc.	18-Oct-17
+L-091-11/0	Wong-Staal, Flossie		Quest Diagnostics, Inc.	18-Oct-17
+L-092-12/2	Bergamaschi, Cristina		Admune Therapeutics LLC	23-Oct-17
+L-092-12/2	Felber, Barbara K.		Admune Therapeutics LLC	23-Oct-17
+L-092-12/2	Pavlikis, George N		Admune Therapeutics LLC	23-Oct-17
+L-092-12/2	Valentin, Antonio		Admune Therapeutics LLC	23-Oct-17
+L-280-17/0	Ise, Tomoko		EMD Millipore Sigma	23-Oct-17
+L-280-17/0	Nagata, Satoshi		EMD Millipore Sigma	23-Oct-17
+L-280-17/0	Pastan, Ira H		EMD Millipore Sigma	23-Oct-17
+L-280-17/0	Xiang, Liaman		EMD Millipore Sigma	23-Oct-17
+L-113-16/0	NCI		Emergent BioSolutions	24-Oct-17
+L-264-17/0	Bonomi, Carrie A.	(b)(4);	AstraZeneca	24-Oct-17
+L-264-17/0	Borgel, Suzanne D.	(b)(6)	AstraZeneca	24-Oct-17
+L-264-17/0	Dougherty, Kelly		AstraZeneca	24-Oct-17
+L-264-17/0	Hollingshead, Melinda G.		AstraZeneca	24-Oct-17
+L-264-17/0	Bonomi, Carrie A.		AstraZeneca	24-Oct-17
+L-264-17/0	Borgel, Suzanne D.		AstraZeneca	24-Oct-17
+L-264-17/0	Dougherty, Kelly		AstraZeneca	24-Oct-17
+L-264-17/0	Hollingshead, Melinda G.		AstraZeneca	24-Oct-17
+L-255-17/0	Bonomi, Carrie A.		Institut De Recherches Servier	24-Oct-17
+L-255-17/0	Borgel, Suzanne D.		Institut De Recherches Servier	24-Oct-17
+L-255-17/0	Dougherty, Kelly		Institut De Recherches Servier	24-Oct-17
+L-255-17/0	Hollingshead, Melinda G.		Institut De Recherches Servier	24-Oct-17
+L-009-18/0	Copeland, Neal		Spybiotech Limited	24-Oct-17
+L-009-18/0	Costantino, Nina		Spybiotech Limited	24-Oct-17
+L-009-18/0	Court, Donald		Spybiotech Limited	24-Oct-17
+L-009-18/0	Ellis, Hilary Moyed		Spybiotech Limited	24-Oct-17
+L-009-18/0	Jenkins Copeland, Nancy A		Spybiotech Limited	24-Oct-17
+L-009-18/0	Lee, E-Chiang		Spybiotech Limited	24-Oct-17
+L-009-18/0	Sharan, Shyam K.		Spybiotech Limited	24-Oct-17
+L-009-18/0	Swaminathan, Srividya		Spybiotech Limited	24-Oct-17
+L-009-18/0	Warming, Soren		Spybiotech Limited	24-Oct-17
+L-009-18/0	Yu, Daiguan		Spybiotech Limited	24-Oct-17

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
 NCI
 November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License	Inventor Awards November	Net Remaining to IC
								Cumulative Income		
+L-333-17/0	Bonomi, Carrie A.	(b)(4);	Glenmark Pharmaceuticals, S.A.	1-Nov-17						(b) (3) (A), (b) (4), (b) (6)
+L-333-17/0	Borgel, Suzanne D.	(b)(6)	Glenmark Pharmaceuticals, S.A.	1-Nov-17						
+L-333-17/0	Dougherty, Kelly		Glenmark Pharmaceuticals, S.A.	1-Nov-17						
+L-333-17/0	Hollingshead, Melinda G.		Glenmark Pharmaceuticals, S.A.	1-Nov-17						
+L-054-05/0	NCI		Medarex Inc	1-Nov-17						
+L-268-16/0	Feldman, Steven A	(b)(4);	Kite Pharma, Inc.	1-Nov-17						
+L-268-16/0	Rosenberg, Steven A.	(b)(6)	Kite Pharma, Inc.	1-Nov-17						
+L-329-17/0	Gao, Wei		Abpro	1-Nov-17						
+L-329-17/0	Ho, Mitchell		Abpro	1-Nov-17						
+L-329-17/0	Phung, Yen T.		Abpro	1-Nov-17						
+L-329-17/0	Zhang, Yifan		Abpro	1-Nov-17						
+L-329-17/0	NCI		Abpro	1-Nov-17						
+L-329-17/0	Gao, Wei	(b)(4);	Abpro	1-Nov-17						
+L-329-17/0	Ho, Mitchell	(b)(6)	Abpro	1-Nov-17						
+L-329-17/0	Phung, Yen T.		Abpro	1-Nov-17						
+L-329-17/0	Zhang, Yifan		Abpro	1-Nov-17						
+L-039-11/0	Onda, Masanori		Rockland Immunochemicals, Inc.	1-Nov-17						
+L-039-11/0	Pastan, Ira H		Rockland Immunochemicals, Inc.	1-Nov-17						
+L-006-18/0	Austin, Faye C.		Diagnostic BioSystems	1-Nov-17						
+L-006-18/0	Colcher, David		Diagnostic BioSystems	1-Nov-17						
+L-006-18/0	Hand, Patricia H		Diagnostic BioSystems	1-Nov-17						
+L-006-18/0	Nuti, Marianna		Diagnostic BioSystems	1-Nov-17						
+L-006-18/0	Schlom, Jeffrey		Diagnostic BioSystems	1-Nov-17						
+L-229-05/1	Miranda, Katrina M.		Johns Hopkins University	3-Nov-17						
+L-229-05/1	Pagliari, Pasquale		Johns Hopkins University	3-Nov-17						
+L-229-05/1	Wink, David		Johns Hopkins University	3-Nov-17						
+L-230-05/1	Miranda, Katrina M.		Johns Hopkins Univ.	3-Nov-17						
+L-230-05/1	Wink, David		Johns Hopkins Univ.	3-Nov-17						
+L-312-17/0	Baskar, Sivasubramanian		Millipore Sigma	6-Nov-17						
+L-312-17/0	Dimitrov, Dimiter S.		Millipore Sigma	6-Nov-17						
+L-312-17/0	Khan, Javed		Millipore Sigma	6-Nov-17						
+L-312-17/0	Orentas, Rimas J.		Millipore Sigma	6-Nov-17						
+L-312-17/0	Zhu, Zhongyu		Millipore Sigma	6-Nov-17						
+L-302-17/0	Bonomi, Carrie A.		Pfizer Global Research & Development	7-Nov-17						
+L-302-17/0	Borgel, Suzanne D.		Pfizer Global Research & Development	7-Nov-17						
+L-302-17/0	Dougherty, Kelly		Pfizer Global Research & Development	7-Nov-17						
+L-302-17/0	Hollingshead, Melinda G.		Pfizer Global Research & Development	7-Nov-17						
+L-142-06/2	NCI		ImClone Systems Incorp.	7-Nov-17						
+L-282-14/0	NCI		Beacon Biomedical LLC	9-Nov-17						

+L-208-13/0	NCI		Aspyrian THerapeutics, Inc.	9-Nov-17
+L-087-17/0	Copeland, Neal	(b)(4);	AdCure Biotechnologies, LLC	9-Nov-17
+L-087-17/0	Costantino, Nina	(b)(6)	AdCure Biotechnologies, LLC	9-Nov-17
+L-087-17/0	Court, Donald		AdCure Biotechnologies, LLC	9-Nov-17
+L-087-17/0	Ellis, Hilary Moyed		AdCure Biotechnologies, LLC	9-Nov-17
+L-087-17/0	Jenkins Copeland, Nancy A		AdCure Biotechnologies, LLC	9-Nov-17
+L-087-17/0	Lee, E-Chiang		AdCure Biotechnologies, LLC	9-Nov-17
+L-087-17/0	Sharan, Shyam K		AdCure Biotechnologies, LLC	9-Nov-17
+L-087-17/0	Swaminathan, Srividya		AdCure Biotechnologies, LLC	9-Nov-17
+L-087-17/0	Warming, Soren		AdCure Biotechnologies, LLC	9-Nov-17
+L-087-17/0	Yu, Daiguan		AdCure Biotechnologies, LLC	9-Nov-17
+L-327-17/0	NCI		Diagnostic BioSystems	9-Nov-17
+L-325-17/0	NCI		Diagnostic BioSystems	9-Nov-17
+L-076-10/1	NCI		Scancell Ltd	13-Nov-17
+L-085-15/0	Chen, Weizao	(b)(4);	Abinso Co., Ltd.	14-Nov-17
+L-085-15/0	Dimitrov, Dimiter S.	(b)(6)	Abinso Co., Ltd.	14-Nov-17
+L-027-06/2	Crowl, Robert		Maxim Biomedical	14-Nov-17
+L-027-06/2	Gallo, Robert C.		Maxim Biomedical	14-Nov-17
+L-027-06/2	(b)(4)		Maxim Biomedical	14-Nov-17
+L-027-06/2	Popovic, Mikulas		Maxim Biomedical	14-Nov-17
+L-027-06/2	Reddy, E. Premkumar.		Maxim Biomedical	14-Nov-17
+L-027-06/2	Sarnagadharan, Mangalasseril		Maxim Biomedical	14-Nov-17
+L-027-06/2	Shaw, George M		Maxim Biomedical	14-Nov-17
+L-027-06/2	Wong-Staal, Flossie		Maxim Biomedical	14-Nov-17
+L-252-14/0	Copeland, Neal		Warp Drive Bio, LLC	14-Nov-17
+L-252-14/0	Costantino, Nina		Warp Drive Bio, LLC	14-Nov-17
+L-252-14/0	Court, Donald		Warp Drive Bio, LLC	14-Nov-17
+L-252-14/0	Datta, Simanti		Warp Drive Bio, LLC	14-Nov-17
+L-252-14/0	Ellis, Hilary Moyed		Warp Drive Bio, LLC	14-Nov-17
+L-252-14/0	Jenkins Copeland, Nancy A		Warp Drive Bio, LLC	14-Nov-17
+L-252-14/0	Lee, E-Chiang		Warp Drive Bio, LLC	14-Nov-17
+L-252-14/0	Liu, Pentao		Warp Drive Bio, LLC	14-Nov-17
+L-252-14/0	Sawitzke, James		Warp Drive Bio, LLC	14-Nov-17
+L-252-14/0	Sharan, Shyam K		Warp Drive Bio, LLC	14-Nov-17
+L-252-14/0	Swaminathan, Srividya		Warp Drive Bio, LLC	14-Nov-17
+L-252-14/0	Warming, Soren		Warp Drive Bio, LLC	14-Nov-17
+L-252-14/0	Yu, Daiguan		Warp Drive Bio, LLC	14-Nov-17
+L-108-15/0	NCI		Lion Biotechnologies	14-Nov-17
+L-125-17/2	Bonomi, Carrie A.	(b)(4);	Synlogic Inc.	14-Nov-17
+L-125-17/2	Dougherty, Kelly	(b)(6)	Synlogic Inc.	14-Nov-17
+L-125-17/2	Hollingshead, Melinda G.		Synlogic Inc.	14-Nov-17
+L-745-91/2	Chang, Nancy T.		BioMerieux, Inc.	14-Nov-17
+L-745-91/2	Crowl, Robert		BioMerieux, Inc.	14-Nov-17
+L-745-91/2	Fisher, Amanda G.		BioMerieux, Inc.	14-Nov-17
+L-745-91/2	Gallo, Robert C.		BioMerieux, Inc.	14-Nov-17
+L-745-91/2	Hahn, Beatrice		BioMerieux, Inc.	14-Nov-17
+L-745-91/2	(b)(4)		BioMerieux, Inc.	14-Nov-17
+L-745-91/2	Popovic, Mikulas		BioMerieux, Inc.	14-Nov-17

(b) (3) (A), (b) (4), (b) (6)

+L-745-91/2	Reddy, E. Premkumar.	(b)(4);	BioMerieux, Inc.	14-Nov-17
+L-745-91/2	Sarngadharan, Mangalasseril	(b)(6)	BioMerieux, Inc.	14-Nov-17
+L-745-91/2	Shaw, George M		BioMerieux, Inc.	14-Nov-17
+L-745-91/2	Wong-Staal, Flossie		BioMerieux, Inc.	14-Nov-17
+L-126-12/0	Austin, Faye C.		Leica Microsystems	15-Nov-17
+L-126-12/0	Colcher, David		Leica Microsystems	15-Nov-17
+L-126-12/0	Hand, Patricia H		Leica Microsystems	15-Nov-17
+L-126-12/0	Nuti, Marianna		Leica Microsystems	15-Nov-17
+L-126-12/0	Schlom, Jeffrey		Leica Microsystems	15-Nov-17
+L-109-15/0	Brinkmann, Ulrich		Chugai Pharmaceutical Co.	15-Nov-17
+L-109-15/0	Jung, Sun-Hee		Chugai Pharmaceutical Co.	15-Nov-17
+L-109-15/0	Lee, Byungkook		Chugai Pharmaceutical Co.	15-Nov-17
+L-109-15/0	Pastan, Ira H		Chugai Pharmaceutical Co.	15-Nov-17
+L-282-14/0	Bianco, Caterina		Beacon Biomedical LLC	16-Nov-17
+L-282-14/0	Salomon, David S		Beacon Biomedical LLC	16-Nov-17
+L-278-17/0	Felber, Barbara		FiberCell Laboratories	16-Nov-17
+L-278-17/0	Pavlakis, George N		FiberCell Laboratories	16-Nov-17
+L-278-17/0	Rosati, Margherita		FiberCell Laboratories	16-Nov-17
+L-130-15/0	NCI		A's Inc.	16-Nov-17
<i>Note: L-130-15/0 split between FDA; NCI</i>				
+L-153-10/0	Greiner, John W.	(b)(4);	Arko Laboratories LTD	16-Nov-17
+L-153-10/0	Schlom, Jeffrey	(b)(6)	Arko Laboratories LTD	16-Nov-17
+L-153-10/0	Zaharoff, David		Arko Laboratories LTD	16-Nov-17
+L-320-17/0	Bonomi, Carrie A.		Elstar Therapeutics	16-Nov-17
+L-320-17/0	Borgel, Suzanne D.		Elstar Therapeutics	16-Nov-17
+L-320-17/0	Dougherty, Kelly		Elstar Therapeutics	16-Nov-17
+L-320-17/0	Hollingshead, Melinda G.		Elstar Therapeutics	16-Nov-17
+L-117-95/2	Hathcock, Karen		Southern Biotechnology Associates, Inc.	16-Nov-17
+L-117-95/2	Hodes, Richard		Southern Biotechnology Associates, Inc.	16-Nov-17
+L-117-95/2	Laszlo, Gloria		Southern Biotechnology Associates, Inc.	16-Nov-17
<i>Note: L-117-95/2 split between NCI; NIA</i>				
+L-218-16/1	NCI		Kite Pharma, Inc	17-Nov-17
+L-076-10/1	(b)(4)	(b)(4);	Scancell Ltd	17-Nov-17
+L-076-10/1	Hwu, Patrick	(b)(6)	Scancell Ltd	17-Nov-17
+L-076-10/1	Kawakami, Yutaka		Scancell Ltd	17-Nov-17
+L-076-10/1	Lapointe, Rejean		Scancell Ltd	17-Nov-17
+L-076-10/1	Parkhurst, Maria		Scancell Ltd	17-Nov-17
+L-076-10/1	Rosenberg, Steven A.		Scancell Ltd	17-Nov-17
+L-076-10/1	(b)(4)		Scancell Ltd	17-Nov-17
+L-076-10/1	Wang, Rong-fu		Scancell Ltd	17-Nov-17
+L-012-18/0	Bonomi, Carrie A.		Nurix, Inc.	17-Nov-17
+L-012-18/0	Borgel, Suzanne D.		Nurix, Inc.	17-Nov-17
+L-012-18/0	Dougherty, Kelly		Nurix, Inc.	17-Nov-17
+L-012-18/0	Hollingshead, Melinda G.		Nurix, Inc.	17-Nov-17
+L-012-18/0	Bonomi, Carrie A.		Nurix, Inc.	17-Nov-17
+L-012-18/0	Borgel, Suzanne D.		Nurix, Inc.	17-Nov-17
+L-012-18/0	Dougherty, Kelly		Nurix, Inc.	17-Nov-17

(b) (3) (A), (b) (4), (b) (6)

+L-012-18/0	Hollingshead, Melinda G.	(b)(4); (b)(6)	Nurix, Inc.	17-Nov-17	(b) (3) (A), (b) (4), (b) (6)
+L-308-17/0	Fowler, Daniel		Rapa Therapeutics LLC	17-Nov-17	
+L-308-17/0	Gress, Ronald E.		Rapa Therapeutics LLC	17-Nov-17	
+L-308-17/0	Jung, Sun-Hee		Rapa Therapeutics LLC	17-Nov-17	
+L-282-17/0	Dimitrov, Dimiter S.		Aurudel Biopharma	19-Nov-17	
+L-282-17/0	Qasba, Pradman		Aurudel Biopharma	19-Nov-17	
+L-282-17/0	Ramakrishnan, Boopathy		Aurudel Biopharma	19-Nov-17	
+L-282-17/0	Zhu, Zhongyu		Aurudel Biopharma	19-Nov-17	
+L-093-17/0	Gazdar, Adi F.		ADC Therapeutics SA	20-Nov-17	
+L-093-17/0	Minna, John D.		ADC Therapeutics SA	20-Nov-17	
+L-121-17/0	Buck, Christopher		Janssen Vaccines & Prevention B.V.	20-Nov-17	
+L-277-17/0	Aaronson, Stuart A.		Valo Therapeutics Oy	20-Nov-17	
+L-277-17/0	Giardina, Steven		Valo Therapeutics Oy	20-Nov-17	
+L-277-17/0	Parks, Wade P		Valo Therapeutics Oy	20-Nov-17	
+L-048-13/0	Dudley, Mark		Morphotek Inc	21-Nov-17	
+L-048-13/0	Rosenberg, Steven A.		Morphotek Inc	21-Nov-17	
+L-090-16/0	Bonomi, Carrie A.		Morphotek, Inc.	21-Nov-17	
+L-090-16/0	Borgel, Suzanne D.		Morphotek, Inc.	21-Nov-17	
+L-090-16/0	Dougherty, Kelly		Morphotek, Inc.	21-Nov-17	
+L-090-16/0	Hollingshead, Melinda G.		Morphotek, Inc.	21-Nov-17	
+L-057-09/5	Aplan, Peter D.		Acceleron Pharma	21-Nov-17	
+L-057-09/5	Lin, Ying-Wei		Acceleron Pharma	21-Nov-17	
+L-057-09/5	Slape, Christopher I.		Acceleron Pharma	21-Nov-17	
+L-057-09/5	Zhang, ZhenHua		Acceleron Pharma	21-Nov-17	
+L-054-10/2	Dimitrov, Dimiter S.		Research Corp Techn. Inc.	21-Nov-17	
+L-121-08/0	NCI		Medtronic Inc	22-Nov-17	
<i>Note: L-121-08/0 split between NCI; NINDS</i>					
+L-331-17/0	NCI		Istari Oncology Inc	22-Nov-17	
+L-331-17/0	(b) (4)	(b)(4);	stari Oncology Inc	22-Nov-17	
+L-331-17/0	Broadt, Trevor L.	(b)(6)	stari Oncology Inc	22-Nov-17	
+L-331-17/0	Mitra, Guatam (George)		stari Oncology Inc	22-Nov-17	
+L-331-17/0	Shaban, Samir H.		stari Oncology Inc	22-Nov-17	
+L-331-17/0	Xie, yueqing		stari Oncology Inc	22-Nov-17	
+L-331-17/0	Zhu, Jianwei		stari Oncology Inc	22-Nov-17	
+L-220-01/0	Erickson, John W.		ibotec Pharm Ltd.	24-Nov-17	
+L-220-01/0	Gulnik, Sergei V.		ibotec Pharm Ltd.	24-Nov-17	
+L-220-01/0	Mitsuya, Hiroaki		ibotec Pharm Ltd.	24-Nov-17	
+L-220-01/0	(b) (4)		ibotec Pharm Ltd.	24-Nov-17	
+L-115-17/0	Aaronson, Stuart A.		CN Biosciences, S.L.	24-Nov-17	
+L-115-17/0	Giardina, Steven		CN Biosciences, S.L.	24-Nov-17	
+L-115-17/0	Parks, Wade P		CN Biosciences, S.L.	24-Nov-17	
+L-114-06/0	Azimi, Nazli		Bioscience	27-Nov-17	
+L-114-06/0	Dubois, Sigrid		Bioscience	27-Nov-17	
+L-114-06/0	Goldman, Carolyn		Bioscience	27-Nov-17	

+L-114-06/0	Lantz, Valerie A	(b)(4);	eBioscience	27-Nov-17
+L-114-06/0	Mariner Kilbourne, Jennifer	(b)(6)	eBioscience	27-Nov-17
+L-114-06/0	Waldmann, Thomas A.		eBioscience	27-Nov-17
+L-190-98/1	Chang, Nancy T.		ViroGen Corp.	27-Nov-17
+L-190-98/1	Crowl, Robert		ViroGen Corp.	27-Nov-17
+L-190-98/1	Franchini, Genoveffa		ViroGen Corp.	27-Nov-17
+L-190-98/1	Gallo, Robert C.		ViroGen Corp.	27-Nov-17
+L-190-98/1	Gartner, Suzanne		ViroGen Corp.	27-Nov-17
+L-190-98/1	Lori, Franco C.		ViroGen Corp.	27-Nov-17
+L-190-98/1	Markham, Phillip D.		ViroGen Corp.	27-Nov-17
+L-190-98/1	Popovic, Mikulas		ViroGen Corp.	27-Nov-17
+L-190-98/1	Reddy, E. Premkumar.		ViroGen Corp.	27-Nov-17
+L-190-98/1	Reitz, Jr., Marvin S.		ViroGen Corp.	27-Nov-17
+L-190-98/1	Sargadharan, Mangalasseril		ViroGen Corp.	27-Nov-17
+L-190-98/1	Shaw, George M		ViroGen Corp.	27-Nov-17
+L-190-98/1	Wong-Staal, Flossie		ViroGen Corp.	27-Nov-17
+L-015-18/0	Rhim, Johng S.		Aphios Corporation	28-Nov-17
+L-242-17/0	Schlom, Jeffrey		Amal Therapeutics	28-Nov-17
+L-045-04/1	Guedez, Liliana		Trevigen, Inc.	28-Nov-17
+L-045-04/1	Stetler-Stevenson, William G.		Trevigen, Inc.	28-Nov-17
<i>Note: L-045-04/1 split between NCI; NIBIB</i>				
+L-001-16/0	Cohen, Cyrille J.		Compugen, Ltd.	28-Nov-17
+L-001-16/0	Morgan, Richard A.		Compugen, Ltd.	28-Nov-17
+L-001-16/0	Rosenberg, Steven A.		Compugen, Ltd.	28-Nov-17
+L-022-17/0	(b)(4)		Etubics Corporation	29-Nov-17
+L-022-17/0	Gritz, Linda R.		Etubics Corporation	29-Nov-17
+L-022-17/0	Hodge, James W.		Etubics Corporation	29-Nov-17
+L-022-17/0	Kantor, Judith A.		Etubics Corporation	29-Nov-17
+L-022-17/0	Kozlov, Andrei P.		Etubics Corporation	29-Nov-17
+L-022-17/0	Mazzara, Gail P.		Etubics Corporation	29-Nov-17
+L-022-17/0	Palena, Claudia		Etubics Corporation	29-Nov-17
+L-022-17/0	Panicali, Dennis L.		Etubics Corporation	29-Nov-17
+L-022-17/0	Salazar, Elena Barzaga		Etubics Corporation	29-Nov-17
+L-022-17/0	Schlom, Jeffrey		Etubics Corporation	29-Nov-17
+L-022-17/0	Tsang, Kwong-Yok		Etubics Corporation	29-Nov-17
+L-022-17/0	Zaremba, Sam		Etubics Corporation	29-Nov-17

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities

NCI

December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	License				Inventor Awards December	Net Remaining to IC
					% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	Cumulative Income		
+L-092-12/2	Bergamaschi, Cristina	(b)(4);	Admune Therapeutics LLC	1-Dec-17					(b) (3) (A), (b) (4), (b) (6)	
+L-092-12/2	Felber, Barbara K.	(b)(6)	Admune Therapeutics LLC	1-Dec-17						
+L-092-12/2	Pavlakis, George N		Admune Therapeutics LLC	1-Dec-17						
+L-092-12/2	Valentin, Antonio		Admune Therapeutics LLC	1-Dec-17						
+L-092-12/2	Bergamaschi, Cristina		Admune Therapeutics LLC	1-Dec-17						
+L-092-12/2	Felber, Barbara K.		Admune Therapeutics LLC	1-Dec-17						
+L-092-12/2	Pavlakis, George N		Admune Therapeutics LLC	1-Dec-17						

+L-092-12/2	Valentin, Antonio	(b)(4); (b)(6)	Admune Therapeutics LLC	1-Dec-17
+L-083-11/0	Waldmann, Thomas A. <i>Note: L-083-11/0 split between NCI; NINDS</i>		Abbott Biotherapeutics Corp.	1-Dec-17
+L-165-99/1	Crowl, Robert		Trinity Biotech	1-Dec-17
+L-165-99/1	Gallo, Robert C.		Trinity Biotech	1-Dec-17
+L-165-99/1	(b) (4)		Trinity Biotech	1-Dec-17
+L-165-99/1	Popovic, Mikulas		Trinity Biotech	1-Dec-17
+L-165-99/1	Reddy, E. Premkumar.		Trinity Biotech	1-Dec-17
+L-165-99/1	Sarngadharan, Mangalasseril		Trinity Biotech	1-Dec-17
+L-165-99/1	Shaw, George M		Trinity Biotech	1-Dec-17
+L-165-99/1	Wong-Staal, Flossie		Trinity Biotech	1-Dec-17
+L-086-15/0	Hanada, Kenichi		Compugen, Ltd.	1-Dec-17
+L-086-15/0	Rosenberg, Steven A.		Compugen, Ltd.	1-Dec-17
+L-086-15/0	Topalian, Suzanne L.		Compugen, Ltd.	1-Dec-17
+L-086-15/0	Yang, James C		Compugen, Ltd.	1-Dec-17
+L-086-15/0	Yu, Zhiya		Compugen, Ltd.	1-Dec-17
+L-318-17/0	Onda, Masanori		Millipore Sigma	4-Dec-17
+L-318-17/0	Pastan, Ira H		Millipore Sigma	4-Dec-17
+L-012-16/0	Boyd, Michael R.		The Population Council, Inc.	4-Dec-17
+L-012-16/0	McMahon, James		The Population Council, Inc.	4-Dec-17
+L-012-16/0	O'Keefe, Barry		The Population Council, Inc.	4-Dec-17
+L-012-16/0	Toshiyuki, Mori		The Population Council, Inc.	4-Dec-17
+L-281-17/0	Bonomi, Carrie A.		ntellia Therapeutics, Inc	5-Dec-17
+L-281-17/0	Borgel, Suzanne D.		ntellia Therapeutics, Inc	5-Dec-17
+L-281-17/0	Dougherty, Kelly		ntellia Therapeutics, Inc	5-Dec-17
+L-281-17/0	Hollingshead, Melinda G.		ntellia Therapeutics, Inc	5-Dec-17
+L-254-16/0	Lee, Choonsik		PHS Technologies Group, LLC	5-Dec-17
+L-259-17/0	Kochenderfer, James N		CRISPR Therapeutics AG	6-Dec-17
+L-210-16/0	Linehan, Marston		MetaboMed, LTD	6-Dec-17
+L-210-16/0	Yang, Youfeng		MetaboMed, LTD	6-Dec-17
+L-262-17/0	Bonomi, Carrie A.		Hutchison Medi Pharma Ltd.	6-Dec-17
+L-262-17/0	Borgel, Suzanne D.		Hutchison Medi Pharma Ltd.	6-Dec-17
+L-262-17/0	Dougherty, Kelly		Hutchison Medi Pharma Ltd.	6-Dec-17
+L-262-17/0	Hollingshead, Melinda G.		Hutchison Medi Pharma Ltd.	6-Dec-17
+L-023-18/0	Bonomi, Carrie A.		Bluefin Biomedicine, Inc.	6-Dec-17
+L-023-18/0	Borgel, Suzanne D.		Bluefin Biomedicine, Inc.	6-Dec-17
+L-023-18/0	Dougherty, Kelly		Bluefin Biomedicine, Inc.	6-Dec-17
+L-023-18/0	Hollingshead, Melinda G.		Bluefin Biomedicine, Inc.	6-Dec-17
+L-174-16/0	Costantino, Nina		BP Technology Ventures Inc.	6-Dec-17
+L-174-16/0	Court, Donald		BP Technology Ventures Inc.	6-Dec-17
+L-174-16/0	Datta, Simanti		BP Technology Ventures Inc.	6-Dec-17
+L-276-16/1	Bonomi, Carrie A.		eFFECTOR Therapeutics, Inc	7-Dec-17
+L-276-16/1	Borgel, Suzanne D.		eFFECTOR Therapeutics, Inc	7-Dec-17
+L-276-16/1	Dougherty, Kelly		eFFECTOR Therapeutics, Inc	7-Dec-17
+L-276-16/1	Hollingshead, Melinda G.		eFFECTOR Therapeutics, Inc	7-Dec-17

(b) (3) (A), (b) (4), (b) (6)

+L-197-17/0	Bonomi, Carrie A.	(b)(4);	Seattle Genetics, Inc.	7-Dec-17
+L-197-17/0	Borgel, Suzanne D.	(b)(6)	Seattle Genetics, Inc.	7-Dec-17
+L-197-17/0	Dougherty, Kelly		Seattle Genetics, Inc.	7-Dec-17
+L-197-17/0	Hollingshead, Melinda G.		Seattle Genetics, Inc.	7-Dec-17
+L-091-11/0	Chang, Nancy T.		Quest Diagnostics, Inc.	7-Dec-17
+L-091-11/0	Fisher, Amanda G.		Quest Diagnostics, Inc.	7-Dec-17
+L-091-11/0	Gallo, Robert C.		Quest Diagnostics, Inc.	7-Dec-17
+L-091-11/0	Hahn, Beatrice		Quest Diagnostics, Inc.	7-Dec-17
+L-091-11/0	(b) (4)		Quest Diagnostics, Inc.	7-Dec-17
+L-091-11/0	Popovic, Mikulas		Quest Diagnostics, Inc.	7-Dec-17
+L-091-11/0	Sarngadharan, Mangalasseril		Quest Diagnostics, Inc.	7-Dec-17
+L-091-11/0	Shaw, George M		Quest Diagnostics, Inc.	7-Dec-17
+L-091-11/0	Wong-Staal, Flossie		Quest Diagnostics, Inc.	7-Dec-17
+L-208-13/0	Bernardo, Marcelino L.		Aspyrian THerapeutics, Inc.	7-Dec-17
+L-208-13/0	Choyke, Peter L		Aspyrian THerapeutics, Inc.	7-Dec-17
+L-208-13/0	Kobayashi, Hisataka		Aspyrian THerapeutics, Inc.	7-Dec-17
+L-208-13/0	Mitsunaga, Makoto		Aspyrian THerapeutics, Inc.	7-Dec-17
+L-233-05/1	Blair, Donald G		The Regents of the Univ. Cal.	7-Dec-17
+L-233-05/1	McClements, William		The Regents of the Univ. Cal.	7-Dec-17
+L-233-05/1	Oskarsson, Marianne		The Regents of the Univ. Cal.	7-Dec-17
+L-233-05/1	Vande Woude, George		The Regents of the Univ. Cal.	7-Dec-17
+L-273-17/0	Bonomi, Carrie A.		Kyowa Hakko Kirin Co., Ltd	8-Dec-17
+L-273-17/0	Borgel, Suzanne D.		Kyowa Hakko Kirin Co., Ltd	8-Dec-17
+L-273-17/0	Dougherty, Kelly		Kyowa Hakko Kirin Co., Ltd	8-Dec-17
+L-273-17/0	Hollingshead, Melinda G.		Kyowa Hakko Kirin Co., Ltd	8-Dec-17
+L-107-10/2	NCI		Vasculox, Inc.	8-Dec-17
+L-049-17/1	Bonomi, Carrie A.	(b)(4);	Kymab Ltd	11-Dec-17
+L-049-17/1	Borgel, Suzanne D.	(b)(6)	Kymab Ltd	11-Dec-17
+L-049-17/1	Dougherty, Kelly		Kymab Ltd	11-Dec-17
+L-049-17/1	Hollingshead, Melinda G.		Kymab Ltd	11-Dec-17
+L-033-18/0	Bonomi, Carrie A.		Kymab Ltd	11-Dec-17
+L-033-18/0	Dougherty, Kelly		Kymab Ltd	11-Dec-17
+L-033-18/0	Hollingshead, Melinda G.		Kymab Ltd	11-Dec-17
+L-022-18/0	Bustin, Michael		AVVI Biotech Inc	11-Dec-17
+L-022-18/0	Oppenheim, Joost J		AVVI Biotech Inc	11-Dec-17
+L-022-18/0	Yang, De		AVVI Biotech Inc	11-Dec-17
+L-020-08/2	Roop, Dennis R.		BioLegend	12-Dec-17
+L-020-08/2	Steinert, (b) (6) Peter M.		BioLegend	12-Dec-17
+L-020-08/2	Yuspa, Stuart H.		BioLegend	12-Dec-17
+L-064-06/4	Boyd, Michael R.		Intrucept Biomedicine, LLC	12-Dec-17
+L-064-06/4	O'Keefe, Barry		Intrucept Biomedicine, LLC	12-Dec-17
+L-064-06/4	Toshiyuki, Mori		Intrucept Biomedicine, LLC	12-Dec-17
+L-232-14/0	Dave, Sandeep		NanoString Technologies, Inc.	12-Dec-17
+L-232-14/0	Jaffe, Elaine		NanoString Technologies, Inc.	12-Dec-17
+L-232-14/0	Lenz, George		NanoString Technologies, Inc.	12-Dec-17
+L-232-14/0	Lih, Chih-Jian (Jason)		NanoString Technologies, Inc.	12-Dec-17
+L-232-14/0	Staudt, Louis M		NanoString Technologies, Inc.	12-Dec-17
+L-232-14/0	Tan, Bruce		NanoString Technologies, Inc.	12-Dec-17

(b) (3) (A), (b) (4), (b) (6)

+L-232-14/0	Williams, Paul M.	(b)(4);	NanoString Technologies, Inc.	12-Dec-17
+L-232-14/0	Wilson, Wyndham H.	(b)(6)	NanoString Technologies, Inc.	12-Dec-17
+L-232-14/0	Wright, George W		NanoString Technologies, Inc.	12-Dec-17
<i>Note: L-232-14/0 split between CIT; NCI</i>				
+L-007-18/0	Radmacher, Michael D		Monoceros Biosystems LLC	12-Dec-17
+L-007-18/0	Simon, Richard		Monoceros Biosystems LLC	12-Dec-17
+L-154-97/2	Mason, Llewellyn H.		PharMingen, Inc.	13-Dec-17
+L-154-97/2	Ortaldo, John R.		PharMingen, Inc.	13-Dec-17
+L-097-00/2	Austin, Faye C.		BD Biosciences, PharMingen	13-Dec-17
+L-097-00/2	Colcher, David		BD Biosciences, PharMingen	13-Dec-17
+L-097-00/2	Hand, Patricia H		BD Biosciences, PharMingen	13-Dec-17
+L-097-00/2	Nuti, Marianna		BD Biosciences, PharMingen	13-Dec-17
+L-097-00/2	Schlom, Jeffrey		BD Biosciences, PharMingen	13-Dec-17
+L-026-05/8	NCI		MedImmune, Inc.	13-Dec-17
+L-228-01/0	Chackerian, Bryce	(b)(4);	Cytos Biotechnology, Inc.	13-Dec-17
+L-228-01/0	Lowy, Douglas R.	(b)(6)	Cytos Biotechnology, Inc.	13-Dec-17
+L-228-01/0	Schiller, John T		Cytos Biotechnology, Inc.	13-Dec-17
+L-171-17/0	Bonomi, Carrie A.		VL41 Inc.	13-Dec-17
+L-171-17/0	Borgel, Suzanne D.		VL41 Inc.	13-Dec-17
+L-171-17/0	Dougherty, Kelly		VL41 Inc.	13-Dec-17
+L-171-17/0	Hollingshead, Melinda G.		VL41 Inc.	13-Dec-17
+L-061-14/0	Hwu, Patrick		Cabaret Biotech Ltd.	14-Dec-17
+L-061-14/0	Rosenberg, Steven A.		Cabaret Biotech Ltd.	14-Dec-17
+L-298-96/2	Greenstone, Heather L.		Merck & Co., Inc.	15-Dec-17
+L-298-96/2	Kirnbauer, Reinhard		Merck & Co., Inc.	15-Dec-17
+L-298-96/2	Lowy, Douglas R.		Merck & Co., Inc.	15-Dec-17
+L-298-96/2	Schiller, John T		Merck & Co., Inc.	15-Dec-17
+L-178-05/1	Chung, Jae Wook		BioGemex Ltd	15-Dec-17
+L-130-15/0	NCI		A'as Inc.	15-Dec-17
<i>Note: L-130-15/0 split between FDA; NCI</i>				
+L-163-15/0	Copeland, Neal	(b)(4);	Intact Genomics, Inc.	15-Dec-17
+L-163-15/0	Court, Donald	(b)(6)	Intact Genomics, Inc.	15-Dec-17
+L-163-15/0	Ellis, Hilary Moyed		Intact Genomics, Inc.	15-Dec-17
+L-163-15/0	Jenkins Copeland, Nancy A		Intact Genomics, Inc.	15-Dec-17
+L-163-15/0	Lee, E-Chiang		Intact Genomics, Inc.	15-Dec-17
+L-163-15/0	Yu, Daiguan		Intact Genomics, Inc.	15-Dec-17
+L-118-16/0	Antony, Paul A.		Merck Sharp	18-Dec-17
+L-118-16/0	Irvine, Kari R.		Merck Sharp	18-Dec-17
+L-118-16/0	Restifo, Nicholas P.		Merck Sharp	18-Dec-17
+L-333-17/0	Bonomi, Carrie A.		Glenmark Pharmaceuticals, S.A.	18-Dec-17
+L-333-17/0	Borgel, Suzanne D.		Glenmark Pharmaceuticals, S.A.	18-Dec-17
+L-333-17/0	Dougherty, Kelly		Glenmark Pharmaceuticals, S.A.	18-Dec-17
+L-333-17/0	Hollingshead, Melinda G.		Glenmark Pharmaceuticals, S.A.	18-Dec-17
+L-056-17/0	Schlom, Jeffrey		F-star Biotechnology Ltd	18-Dec-17

(b) (3) (A), (b) (4), (b) (6)

+L-006-09/1	McVicar, Daniel W	(b)(4):	Novonordisk A/S	19-Dec-17
+L-006-09/1	Washington, Anthony V	(b)(6)	Novonordisk A/S	19-Dec-17
<i>Note: L-006-09/1 split between NCI; NHGRI</i>				
+L-026-05/8	Bang, Sook-Hee		MedImmune, Inc.	19-Dec-17
+L-026-05/8	Beers, Richard		MedImmune, Inc.	19-Dec-17
+L-026-05/8	Brinkmann, Ulrich		MedImmune, Inc.	19-Dec-17
+L-026-05/8	Fitzgerald, David J.		MedImmune, Inc.	19-Dec-17
+L-026-05/8	Ho, Mitchell		MedImmune, Inc.	19-Dec-17
+L-026-05/8	Jung, Sun-Hee		MedImmune, Inc.	19-Dec-17
+L-026-05/8	Kreitman, Robert J		MedImmune, Inc.	19-Dec-17
+L-026-05/8	Kuan, Chien-Tsun		MedImmune, Inc.	19-Dec-17
+L-026-05/8	Lee, Byungkook		MedImmune, Inc.	19-Dec-17
+L-026-05/8	Mansfield, Elizabeth		MedImmune, Inc.	19-Dec-17
+L-026-05/8	Pastan, Ira H		MedImmune, Inc.	19-Dec-17
+L-026-05/8	Salvatore, Giuliana		MedImmune, Inc.	19-Dec-17
+L-230-15/0	Gazdar, Adi F.		Ignyta, Inc.	19-Dec-17
+L-230-15/0	Johnson, Bruce E		Ignyta, Inc.	19-Dec-17
+L-230-15/0	Kaye, Frederic J		Ignyta, Inc.	19-Dec-17
+L-230-15/0	Khleif, Samir N.		Ignyta, Inc.	19-Dec-17
+L-230-15/0	Minna, John D.		Ignyta, Inc.	19-Dec-17
+L-230-15/0	Oie, Herbert K		Ignyta, Inc.	19-Dec-17
+L-230-15/0	Pass, Harvey I.		Ignyta, Inc.	19-Dec-17
+L-040-18/0	Gazdar, Adi F.		Repare Therapeutics	19-Dec-17
+L-040-18/0	Johnson, Bruce E		Repare Therapeutics	19-Dec-17
+L-040-18/0	Kaye, Frederic J		Repare Therapeutics	19-Dec-17
+L-040-18/0	Khleif, Samir N.		Repare Therapeutics	19-Dec-17
+L-040-18/0	Minna, John D.		Repare Therapeutics	19-Dec-17
+L-040-18/0	Oie, Herbert K		Repare Therapeutics	19-Dec-17
+L-040-18/0	Pass, Harvey I.		Repare Therapeutics	19-Dec-17
+L-143-12/1	Buck, Christopher		Chimerix, Inc.	20-Dec-17
+L-143-12/1	Schiller, John T		Chimerix, Inc.	20-Dec-17
+L-325-17/0	Gao, Wei		Diagnostic BioSystems	20-Dec-17
+L-325-17/0	Ho, Mitchell		Diagnostic BioSystems	20-Dec-17
+L-325-17/0	Phung, Yen T.		Diagnostic BioSystems	20-Dec-17
+L-325-17/0	Zhang, Yifan		Diagnostic BioSystems	20-Dec-17
+L-327-17/0	Gao, Wei		Diagnostic BioSystems	20-Dec-17
+L-327-17/0	Hassan, Raffit		Diagnostic BioSystems	20-Dec-17
+L-327-17/0	Ho, Mitchell		Diagnostic BioSystems	20-Dec-17
+L-327-17/0	Pastan, Ira H		Diagnostic BioSystems	20-Dec-17
+L-327-17/0	Phung, Yen T.		Diagnostic BioSystems	20-Dec-17
+L-327-17/0	Zhang, Yifan		Diagnostic BioSystems	20-Dec-17
+L-125-17/2	Bonomi, Carrie A.		Synlogic Inc.	20-Dec-17
+L-125-17/2	Dougherty, Kelly		Synlogic Inc.	20-Dec-17
+L-125-17/2	Hollingshead, Melinda G.		Synlogic Inc.	20-Dec-17
+L-098-17/0	Buck, Christopher		SK Chemicals	21-Dec-17
+L-098-17/0	Schiller, John T		SK Chemicals	21-Dec-17
+L-110-12/2	Caplen, Natasha		ERYtech Pharma	22-Dec-17
+L-110-12/2	Lorenzi, Philipp		ERYtech Pharma	22-Dec-17
+L-110-12/2	Weinstein, John N.		ERYtech Pharma	22-Dec-17

(b) (3) (A), (b) (4), (b) (6)

+L-110-12/2	Caplen, Natasha	(b)(4);	ERYtech Pharma	22-Dec-17
+L-110-12/2	Lorenzi, Philipp	(b)(6)	ERYtech Pharma	22-Dec-17
+L-110-12/2	Weinstein, John N.		ERYtech Pharma	22-Dec-17
+L-170-07/0	Dimitrov, Dimiter S.		Indian Immunologicals Ltd.	22-Dec-17
+L-170-07/0	Zhu, Zhongyu		Indian Immunologicals Ltd.	22-Dec-17
+L-023-01/3	Horie, Kyoji		Omeros Corporation	22-Dec-17
+L-023-01/3	Pavlakis, George N		Omeros Corporation	22-Dec-17
+L-154-17/0	Bonomi, Carrie A.		Agios Pharmaceuticals	22-Dec-17
+L-154-17/0	Borgel, Suzanne D.		Agios Pharmaceuticals	22-Dec-17
+L-154-17/0	Dougherty, Kelly		Agios Pharmaceuticals	22-Dec-17
+L-154-17/0	Hollingshead, Melinda G.		Agios Pharmaceuticals	22-Dec-17
+L-319-14/0	Gottesman, Michael M.		WuXi AppTech, Co., Ltd.	26-Dec-17
+L-319-14/0	Pastan, Ira H		WuXi AppTech, Co., Ltd.	26-Dec-17
+L-319-14/0	Ueda, Kazumitsu		WuXi AppTech, Co., Ltd.	26-Dec-17
+L-099-10/1	Gazdar, Adi F.		Kao Corporation	26-Dec-17
+L-099-10/1	Johnson, Bruce E		Kao Corporation	26-Dec-17
+L-099-10/1	Kaye, Frederic J		Kao Corporation	26-Dec-17
+L-099-10/1	Khleif, Samir N.		Kao Corporation	26-Dec-17
+L-099-10/1	Minna, John D.		Kao Corporation	26-Dec-17
+L-099-10/1	Oie, Herbert K		Kao Corporation	26-Dec-17
+L-099-10/1	Pass, Harvey I.		Kao Corporation	26-Dec-17
+L-071-93/0	Aaronson, Stuart A.		LIFE TECHNOLOGIES	26-Dec-17
+L-071-93/0	Finch, Paul W.		LIFE TECHNOLOGIES	26-Dec-17
+L-071-93/0	Rubin, Jeffrey S		LIFE TECHNOLOGIES	26-Dec-17
+L-056-99/1	Gelboin, (b) (6) Harry		Invitrogen Corporation	26-Dec-17
+L-056-99/1	Gonzalez, Frank J		Invitrogen Corporation	26-Dec-17
+L-056-99/1	Yang, Tian J.		Invitrogen Corporation	26-Dec-17
+L-057-99/0	Gelboin, (b) (6) Harry		Panvera Corporation	26-Dec-17
+L-057-99/0	Gonzalez, Frank J		Panvera Corporation	26-Dec-17
+L-206-00/0	Aaronson, Stuart A.		LIFE TECHNOLOGIES	26-Dec-17
+L-206-00/0	King, Charles R.		LIFE TECHNOLOGIES	26-Dec-17
+L-206-00/0	Kraus, (b) (6) Matthias		LIFE TECHNOLOGIES	26-Dec-17
+L-004-07/2	Qasba, Pradman		Life Technologies Corp.	26-Dec-17
+L-004-07/2	Ramakrishnan, Boopathy		Life Technologies Corp.	26-Dec-17
+L-010-06/1	Potter, (b) (6) Michael		Dako Denmark A/S	27-Dec-17
+L-031-18/0	Abrams, Scott I		EMD Millipore Corporation	27-Dec-17
+L-031-18/0	Schlom, Jeffrey		EMD Millipore Corporation	27-Dec-17
+L-031-18/0	Abrams, Scott I		EMD Millipore Corporation	27-Dec-17
+L-031-18/0	Schlom, Jeffrey		EMD Millipore Corporation	27-Dec-17
+L-019-18/0	Rosenberg, Steven A.		EMD Millipore Corporation	27-Dec-17
+L-019-18/0	Spiese, Paul J		EMD Millipore Corporation	27-Dec-17
+L-019-18/0	Yang, James C		EMD Millipore Corporation	27-Dec-17
+L-019-18/0	Rosenberg, Steven A.		EMD Millipore Corporation	27-Dec-17
+L-019-18/0	Spiese, Paul J		EMD Millipore Corporation	27-Dec-17

(b) (3) (A), (b) (4), (b) (6)

+L-019-18/0	Yang, James C	(b)(4); (b)(6)	EMD Millipore Corporation	27-Dec-17
+L-111-01/0	Bonner, William M		Trevigen, Inc	27-Dec-17
+L-111-01/0	Rogakou, Efthimia P		Trevigen, Inc	27-Dec-17
+L-169-15/1	Gottesman, Michael M.		Enanta Pharmaceuticals, Inc.	27-Dec-17
+L-169-15/1	Pastan, Ira H		Enanta Pharmaceuticals, Inc.	27-Dec-17
+L-169-15/1	Ueda, Kazumitsu		Enanta Pharmaceuticals, Inc.	27-Dec-17
+L-048-15/1	Schlom, Jeffrey		PDS Biotechnology Corp	27-Dec-17
+L-048-15/1	Tsang, Kwong-Yok		PDS Biotechnology Corp	27-Dec-17
+L-234-17/0	Bonomi, Carrie A.		Curis, Inc	27-Dec-17
+L-234-17/0	Dougherty, Kelly		Curis, Inc	27-Dec-17
+L-234-17/0	Hollingshead, Melinda G.		Curis, Inc	27-Dec-17
+L-107-15/1	Dudley, Mark		Lion Biotechnologies, Inc.	27-Dec-17
+L-107-15/1	Hinrichs, Christian S.		Lion Biotechnologies, Inc.	27-Dec-17
+L-107-15/1	Rosenberg, Steven A.		Lion Biotechnologies, Inc.	27-Dec-17
+L-107-15/1	Somerville, Robert P.		Lion Biotechnologies, Inc.	27-Dec-17
+L-107-15/1	Wunderlich, John		Lion Biotechnologies, Inc.	27-Dec-17
<i>Note: L-107-15/1 split between CC; NCI</i>				
+L-107-15/1	NCI		Lion Biotechnologies, Inc.	27-Dec-17
<i>Note: L-107-15/1 split between CC; NCI</i>				
+L-108-15/0	Gros, Alena	(b)(4);	Lion Biotechnologies	27-Dec-17
+L-108-15/0	Rosenberg, Steven A.	(b)(6)	Lion Biotechnologies	27-Dec-17
+L-046-11/0	Allegra, Carmen		Zeta Corp	27-Dec-17
+L-046-11/0	Chabner, Bruce A		Zeta Corp	27-Dec-17
+L-046-11/0	Johnston, Patrick G.		Zeta Corp	27-Dec-17
+L-046-11/0	Liang, Chi-Ming		Zeta Corp	27-Dec-17
+L-070-12/0	Hathcock, Karen		BioLegend	28-Dec-17
+L-070-12/0	Hodes, Richard		BioLegend	28-Dec-17
+L-070-12/0	Laszlo, Gloria		BioLegend	28-Dec-17
+L-024-97/2	Kawakami, Yutaka		Signet Laboratories, Inc.	28-Dec-17
+L-024-97/2	Rosenberg, Steven A.		Signet Laboratories, Inc.	28-Dec-17
+L-037-11/0	Jelinek, Ivett		BioLegend	28-Dec-17
+L-037-11/0	Segal, David M.		BioLegend	28-Dec-17
+L-037-11/0	Wang, Yan		BioLegend	28-Dec-17
+L-073-09/0	Bonner, William M		BioLegend	28-Dec-17
+L-073-09/0	Rogakou, Efthimia P		BioLegend	28-Dec-17
+L-095-12/0	Baskar, Sivasubramanian		BioLegend	28-Dec-17
+L-095-12/0	Rader, Christoph		BioLegend	28-Dec-17
+L-136-09/0	Mason, Llewellyn H.		BioLegend	28-Dec-17
+L-136-09/0	Ortaldo, John R.		BioLegend	28-Dec-17
+L-162-08/1	Roberts, (b) (6) Anita		BioLegend	28-Dec-17
+L-162-08/1	Sporn, Michael B.		BioLegend	28-Dec-17
<i>Note: L-162-08/1 split between NCI; NIAID</i>				
+L-198-15/0	Ise, Tomoko		BioLegend	28-Dec-17

+L-198-15/0	Nagata, Satoshi	(b)(4);	BioLegend	28-Dec-17
+L-198-15/0	Pastan, Ira H	(b)(6)	BioLegend	28-Dec-17
+L-010-08/1	Hathcock, Karen		BioLegend	28-Dec-17
+L-010-08/1	Hodes, Richard		BioLegend	28-Dec-17
+L-010-08/1	Laszlo, Gloria		BioLegend	28-Dec-17
+L-216-14/0	Chang, Kai		Covance Research Product	28-Dec-17
+L-216-14/0	Pastan, Ira H		Covance Research Product	28-Dec-17
+L-216-14/0	Willingham, Mark C.		Covance Research Product	28-Dec-17
+L-007-11/1	Onda, Masanori		BioLegend	28-Dec-17
+L-007-11/1	Pastan, Ira H		BioLegend	28-Dec-17
+L-042-08/1	Azimi, Nazli		BioLegend	28-Dec-17
+L-042-08/1	Dubois, Sigrid		BioLegend	28-Dec-17
+L-042-08/1	Goldman, Carolyn		BioLegend	28-Dec-17
+L-042-08/1	Lantz, Valerie A		BioLegend	28-Dec-17
+L-042-08/1	Mariner Kilbourne, Jennifer		BioLegend	28-Dec-17
+L-042-08/1	Waldmann, Thomas A.		BioLegend	28-Dec-17
+L-125-13/0	Gazdar, Adi F.		BioRad	28-Dec-17
+L-125-13/0	Johnson, Bruce E		BioRad	28-Dec-17
+L-125-13/0	Kaye, Frederic J		BioRad	28-Dec-17
+L-125-13/0	Khleif, Samir N.		BioRad	28-Dec-17
+L-125-13/0	Minna, John D.		BioRad	28-Dec-17
+L-125-13/0	Oie, Herbert K		BioRad	28-Dec-17
+L-125-13/0	Pass, Harvey I.		BioRad	28-Dec-17
+L-361-98/2	Hamilton, Thomas C		BioProcessing, Inc.	28-Dec-17
+L-361-98/2	Ozols, Robert F		BioProcessing, Inc.	28-Dec-17
+L-203-17/0	Bonomi, Carrie A.		Momenta Pharmaceuticals, Inc.	28-Dec-17
+L-203-17/0	Borgel, Suzanne D.		Momenta Pharmaceuticals, Inc.	28-Dec-17
+L-203-17/0	Dougherty, Kelly		Momenta Pharmaceuticals, Inc.	28-Dec-17
+L-203-17/0	Hollingshead, Melinda G.		Momenta Pharmaceuticals, Inc.	28-Dec-17
+L-190-05/2	Gallo, Robert C.		GeoVax, Inc.	28-Dec-17
+L-190-05/2	(b) (4)		GeoVax, Inc.	28-Dec-17
+L-190-05/2	Popovic, Mikulas		GeoVax, Inc.	28-Dec-17
+L-190-05/2	Sarnagadharan, Mangalasseril		GeoVax, Inc.	28-Dec-17

Note: L-190-05/2 split between NCI; NIAID

NIH Patent Licensing Activities
NCI
January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License	Inventor Awards January	Net Remaining to IC
								Cumulative Income		
+L-201-17/0	Gazdar, Adi F.	(b)(4);	eica Biosystems Newcastle Ltd	1-Jan-18						(b) (3) (A), (b) (4), (b) (6)
+L-201-17/0	Johnson, Bruce E	(b)(6)	eica Biosystems Newcastle Ltd	1-Jan-18						
+L-201-17/0	Kaye, Frederic J		eica Biosystems Newcastle Ltd	1-Jan-18						
+L-201-17/0	Kheif, Samir N.		eica Biosystems Newcastle Ltd	1-Jan-18						
+L-201-17/0	Minna, John D.		eica Biosystems Newcastle Ltd	1-Jan-18						
+L-201-17/0	Oie, Herbert K		eica Biosystems Newcastle Ltd	1-Jan-18						
+L-201-17/0	Pass, Harvey I.		eica Biosystems Newcastle Ltd	1-Jan-18						

+L-083-11/0	Waldmann, Thomas A. <i>Note: L-083-11/0 split between NCI; NINDS</i>	(b)(4); (b)(6)	Abbott Biotherapeutics Corp.	1-Jan-18
+L-115-95/2	Greenstone, Heather L.		MedImmune, Inc.	1-Jan-18
+L-115-95/2	Kirnbauer, Reinhard		MedImmune, Inc.	1-Jan-18
+L-115-95/2	Lowy, Douglas R.		MedImmune, Inc.	1-Jan-18
+L-115-95/2	Schiller, John T		MedImmune, Inc.	1-Jan-18
+L-162-17/0	Bonomi, Carrie A.		Daiichi Sankyo Co., Ltd.	1-Jan-18
+L-162-17/0	Dougherty, Kelly		Daiichi Sankyo Co., Ltd.	1-Jan-18
+L-162-17/0	Hollingshead, Melinda G.		Daiichi Sankyo Co., Ltd.	1-Jan-18
+L-084-11/2	Gazdar, Adi F.		Nichirei Biosciences Inc	1-Jan-18
+L-084-11/2	Johnson, Bruce E		Nichirei Biosciences Inc	1-Jan-18
+L-084-11/2	Kaye, Frederic J		Nichirei Biosciences Inc	1-Jan-18
+L-084-11/2	Khleif, Samir N.		Nichirei Biosciences Inc	1-Jan-18
+L-084-11/2	Minna, John D.		Nichirei Biosciences Inc	1-Jan-18
+L-084-11/2	Oie, Herbert K		Nichirei Biosciences Inc	1-Jan-18
+L-084-11/2	Pass, Harvey I.		Nichirei Biosciences Inc	1-Jan-18
+L-091-10/0	Bonner, William M		Novus Biologicals, Inc.	1-Jan-18
+L-091-10/0	Rogakou, Efthimia P		Novus Biologicals, Inc.	1-Jan-18
+L-092-12/2	Bergamaschi, Cristina		Admune Therapeutics LLC	1-Jan-18
+L-092-12/2	Felber, Barbara K.		Admune Therapeutics LLC	1-Jan-18
+L-092-12/2	Pavlakis, George N		Admune Therapeutics LLC	1-Jan-18
+L-092-12/2	Valentin, Antonio		Admune Therapeutics LLC	1-Jan-18
+L-089-07/0	Emmert-Buck, Michael R.		Theranostics Health	1-Jan-18
+L-089-07/0	Liotta, Lance		Theranostics Health	1-Jan-18
+L-089-07/0	Mehta, Arpita I		Theranostics Health	1-Jan-18
+L-089-07/0	Simone, Nicole L		Theranostics Health	1-Jan-18
<i>Note: L-089-07/0 split between FDA; NCI</i>				
+L-336-17/0	Bonomi, Carrie A.		Agenus, Inc.	1-Jan-18
+L-336-17/0	Borgel, Suzanne D.		Agenus, Inc.	1-Jan-18
+L-336-17/0	Dougherty, Kelly		Agenus, Inc.	1-Jan-18
+L-336-17/0	Hollingshead, Melinda G.		Agenus, Inc.	1-Jan-18
+L-082-96/1	Chang, Nancy T.		ZeptoMetrix Corp.	1-Jan-18
+L-082-96/1	Crowl, Robert		ZeptoMetrix Corp.	1-Jan-18
+L-082-96/1	Fisher, Amanda G.		ZeptoMetrix Corp.	1-Jan-18
+L-082-96/1	Gallo, Robert C.		ZeptoMetrix Corp.	1-Jan-18
+L-082-96/1	Hahn, Beatrice		ZeptoMetrix Corp.	1-Jan-18
+L-082-96/1	(b) (4)		ZeptoMetrix Corp.	1-Jan-18
+L-082-96/1	Popovic, Mikulas		ZeptoMetrix Corp.	1-Jan-18
+L-082-96/1	Reddy, E. Premkumar.		ZeptoMetrix Corp.	1-Jan-18
+L-082-96/1	Sarnagadharan, Mangalasseril		ZeptoMetrix Corp.	1-Jan-18
+L-082-96/1	Shaw, George M		ZeptoMetrix Corp.	1-Jan-18
+L-082-96/1	Wong-Staal, Flossie		ZeptoMetrix Corp.	1-Jan-18
+L-203-15/0	Gazdar, Adi F.		SOTIO	2-Jan-18
+L-203-15/0	Johnson, Bruce E		SOTIO	2-Jan-18
+L-203-15/0	Kaye, Frederic J		SOTIO	2-Jan-18
+L-203-15/0	Khleif, Samir N.		SOTIO	2-Jan-18
+L-203-15/0	Minna, John D.		SOTIO	2-Jan-18
+L-203-15/0	Oie, Herbert K		SOTIO	2-Jan-18
+L-203-15/0	Pass, Harvey I.		SOTIO	2-Jan-18

(b) (3) (A), (b) (4), (b) (6)

+L-323-17/0	Bonomi, Carrie A.	(b)(4);	SQZ Biotechnologies	2-Jan-18
+L-323-17/0	Borgel, Suzanne D.	(b)(6)	SQZ Biotechnologies	2-Jan-18
+L-323-17/0	Dougherty, Kelly		SQZ Biotechnologies	2-Jan-18
+L-323-17/0	Hollingshead, Melinda G.		SQZ Biotechnologies	2-Jan-18
+L-114-06/1	Azimi, Nazli		Affymetrix, Inc.	3-Jan-18
+L-114-06/1	Dubois, Sigrid		Affymetrix, Inc.	3-Jan-18
+L-114-06/1	Goldman, Carolyn		Affymetrix, Inc.	3-Jan-18
+L-114-06/1	Lantz, Valerie A		Affymetrix, Inc.	3-Jan-18
+L-114-06/1	Mariner Kilbourne, Jennifer		Affymetrix, Inc.	3-Jan-18
+L-114-06/1	Waldmann, Thomas A.		Affymetrix, Inc.	3-Jan-18
+L-109-06/0	Mason, Llewellyn H.		eBioscience	3-Jan-18
+L-109-06/0	Ortaldo, John R.		eBioscience	3-Jan-18
+L-086-06/0	Essand, Lars Magnus		eBioscience	3-Jan-18
+L-086-06/0	Lee, Byungkook		eBioscience	3-Jan-18
+L-086-06/0	Pastan, Ira H		eBioscience	3-Jan-18
+L-086-06/0	Vasmatazis, George		eBioscience	3-Jan-18
+L-086-06/0	Wolfgang, Curt		eBioscience	3-Jan-18
+L-049-00/1	Hathcock, Karen		eBioscience, Inc..	3-Jan-18
+L-049-00/1	Hodes, Richard		eBioscience, Inc..	3-Jan-18
+L-049-00/1	Laszlo, Gloria		eBioscience, Inc..	3-Jan-18
<i>Note: L-049-00/1 split between NCI; NIAID</i>				
+L-158-17/0	Wang, Xiaohong		Mokobio Life Science Group, Inc.	3-Jan-18
+L-158-17/0	Xu, Junfen		Mokobio Life Science Group, Inc.	3-Jan-18
+L-158-17/0	Zheng, Zhi-Min g (Thomas)		Mokobio Life Science Group, Inc.	3-Jan-18
<i>Note: L-158-17/0 split between NCI; NHLBI</i>				
+L-032-18/0	Bonomi, Carrie A.		Revolution Medicines, Inc.	3-Jan-18
+L-032-18/0	Borgel, Suzanne D.		Revolution Medicines, Inc.	3-Jan-18
+L-032-18/0	Dougherty, Kelly		Revolution Medicines, Inc.	3-Jan-18
+L-032-18/0	Hollingshead, Melinda G.		Revolution Medicines, Inc.	3-Jan-18
+L-032-18/0	Bonomi, Carrie A.		Revolution Medicines, Inc.	3-Jan-18
+L-032-18/0	Borgel, Suzanne D.		Revolution Medicines, Inc.	3-Jan-18
+L-032-18/0	Dougherty, Kelly		Revolution Medicines, Inc.	3-Jan-18
+L-032-18/0	Hollingshead, Melinda G.		Revolution Medicines, Inc.	3-Jan-18
+L-028-18/0	Choyke, Peter L		Scanmed LLC	3-Jan-18
+L-028-18/0	Greer, Matthew D.		Scanmed LLC	3-Jan-18
+L-028-18/0	Mertan, Francesca		Scanmed LLC	3-Jan-18
+L-028-18/0	Sonalee Gaur, Sonia		Scanmed LLC	3-Jan-18
+L-028-18/0	Turkbey, Ismail B.		Scanmed LLC	3-Jan-18
<i>Note: L-028-18/0 split between CC; CIT; NCI</i>				
+L-265-17/0	Hanada, Kenichi		Pfizer, Inc.	4-Jan-18
+L-265-17/0	Yang, James C		Pfizer, Inc.	4-Jan-18
+L-265-17/0	Yu, Zhiya		Pfizer, Inc.	4-Jan-18
+L-099-12/0	Gazdar, Adi F.		Ventana Medical Systems Inc	4-Jan-18
+L-099-12/0	Johnson, Bruce E		Ventana Medical Systems Inc	4-Jan-18
+L-099-12/0	Kaye, Frederic J		Ventana Medical Systems Inc	4-Jan-18
+L-099-12/0	Khleif, Samir N.		Ventana Medical Systems Inc	4-Jan-18
+L-099-12/0	Minna, John D.		Ventana Medical Systems Inc	4-Jan-18
+L-099-12/0	Oie, Herbert K		Ventana Medical Systems Inc	4-Jan-18
+L-099-12/0	Pass, Harvey I.		Ventana Medical Systems Inc	4-Jan-18

+L-154-12/0	Gazdar, Adi F.	(b)(4);	Ventana Medical Systems	4-Jan-18
+L-154-12/0	Johnson, Bruce E	(b)(6)	Ventana Medical Systems	4-Jan-18
+L-154-12/0	Kaye, Frederic J		Ventana Medical Systems	4-Jan-18
+L-154-12/0	Khleif, Samir N.		Ventana Medical Systems	4-Jan-18
+L-154-12/0	Minna, John D.		Ventana Medical Systems	4-Jan-18
+L-154-12/0	Oie, Herbert K		Ventana Medical Systems	4-Jan-18
+L-154-12/0	Pass, Harvey I.		Ventana Medical Systems	4-Jan-18
+L-273-14/0	Chang, Nancy T.		Grifols Worldwide Operations Ltd.	4-Jan-18
+L-273-14/0	Crowl, Robert		Grifols Worldwide Operations Ltd.	4-Jan-18
+L-273-14/0	Fisher, Amanda G.		Grifols Worldwide Operations Ltd.	4-Jan-18
+L-273-14/0	Gallo, Robert C.		Grifols Worldwide Operations Ltd.	4-Jan-18
+L-273-14/0	Hahn, Beatrice		Grifols Worldwide Operations Ltd.	4-Jan-18
+L-273-14/0	Popovic, Mikulas		Grifols Worldwide Operations Ltd.	4-Jan-18
+L-273-14/0	Reddy, E. Premkumar.		Grifols Worldwide Operations Ltd.	4-Jan-18
+L-273-14/0	Sarnagadharan, Mangalasseril		Grifols Worldwide Operations Ltd.	4-Jan-18
+L-273-14/0	Shaw, George M		Grifols Worldwide Operations Ltd.	4-Jan-18
+L-273-14/0	Wong-Staal, Flossie		Grifols Worldwide Operations Ltd.	4-Jan-18
+L-179-16/0	Gazdar, Adi F.		Janssen Research Foundation	4-Jan-18
+L-179-16/0	Johnson, Bruce E		Janssen Research Foundation	4-Jan-18
+L-179-16/0	Kaye, Frederic J		Janssen Research Foundation	4-Jan-18
+L-179-16/0	Khleif, Samir N.		Janssen Research Foundation	4-Jan-18
+L-179-16/0	Minna, John D.		Janssen Research Foundation	4-Jan-18
+L-179-16/0	Oie, Herbert K		Janssen Research Foundation	4-Jan-18
+L-179-16/0	Pass, Harvey I.		Janssen Research Foundation	4-Jan-18
+L-329-17/0	Gao, Wei		Abpro	4-Jan-18
+L-329-17/0	Ho, Mitchell		Abpro	4-Jan-18
+L-329-17/0	Phung, Yen T.		Abpro	4-Jan-18
+L-329-17/0	Zhang, Yifan		Abpro	4-Jan-18
+L-033-17/0	Bonomi, Carrie A.		MD Biosciences, Inc.	4-Jan-18
+L-033-17/0	Dougherty, Kelly		MD Biosciences, Inc.	4-Jan-18
+L-033-17/0	Hollingshead, Melinda G.		MD Biosciences, Inc.	4-Jan-18
+L-158-08/3	Gazdar, Adi F.		AstraZenca Pharmaceuticals LP	5-Jan-18
+L-158-08/3	Johnson, Bruce E		AstraZenca Pharmaceuticals LP	5-Jan-18
+L-158-08/3	Kaye, Frederic J		AstraZenca Pharmaceuticals LP	5-Jan-18
+L-158-08/3	Khleif, Samir N.		AstraZenca Pharmaceuticals LP	5-Jan-18
+L-158-08/3	Minna, John D.		AstraZenca Pharmaceuticals LP	5-Jan-18
+L-158-08/3	Oie, Herbert K		AstraZenca Pharmaceuticals LP	5-Jan-18
+L-158-08/3	Pass, Harvey I.		AstraZenca Pharmaceuticals LP	5-Jan-18
+L-092-12/1	NCI		Admune Therapeutics LLC	8-Jan-18
+L-264-17/0	Bonomi, Carrie A.	(b)(4);	AstraZeneca	8-Jan-18
+L-264-17/0	Borgel, Suzanne D.	(b)(6)	AstraZeneca	8-Jan-18
+L-264-17/0	Dougherty, Kelly		AstraZeneca	8-Jan-18
+L-264-17/0	Hollingshead, Melinda G.		AstraZeneca	8-Jan-18
+L-087-07/1	Brechbiel, Martin W.		MedGenesis Therapeutix	8-Jan-18
+L-087-07/1	Garmestani, Kayhan		MedGenesis Therapeutix	8-Jan-18
<i>Note: L-087-07/1 split between NCI; NIBIB; NINDS</i>				
+L-314-14/1	Brechbiel, Martin W.		Bikanta Corporation	8-Jan-18
+L-314-14/1	Bumb, Ambika		Bikanta Corporation	8-Jan-18
+L-314-14/1	Manna, Asit		Bikanta Corporation	8-Jan-18

(b) (3) (A), (b) (4), (b) (6)

+L-314-14/1	Samelson, Lawrence	(b)(4);	Bikanta Corporation	8-Jan-18
+L-314-14/1	Yi, Chang K.	(b)(6)	Bikanta Corporation	8-Jan-18
<i>Note: L-314-14/1 split between NCI; NHLBI</i>				
+L-200-14/0	Austin, Faye C.		Becton, Dickinson and Company	9-Jan-18
+L-200-14/0	Colcher, David		Becton, Dickinson and Company	9-Jan-18
+L-200-14/0	Hand, Patricia H		Becton, Dickinson and Company	9-Jan-18
+L-200-14/0	Nuti, Marianna		Becton, Dickinson and Company	9-Jan-18
+L-200-14/0	Schlom, Jeffrey		Becton, Dickinson and Company	9-Jan-18
+L-082-16/0	Franchini, Genoveffa		Gilead Sciences	9-Jan-18
+L-082-16/0	Gallo, Robert C.		Gilead Sciences	9-Jan-18
+L-082-16/0	Gartner, Suzanne		Gilead Sciences	9-Jan-18
+L-082-16/0	(b) (4)		Gilead Sciences	9-Jan-18
+L-082-16/0	Lori, Franco C.		Gilead Sciences	9-Jan-18
+L-082-16/0	Markham, Phillip D.		Gilead Sciences	9-Jan-18
+L-082-16/0	Popovic, Mikulas		Gilead Sciences	9-Jan-18
+L-082-16/0	Reitz, Jr., Marvin S.		Gilead Sciences	9-Jan-18
+L-217-14/0	NCI		Medicenna Therapeutics, Inc.	9-Jan-18
<i>Note: L-217-14/0 split between NCI; NINDS</i>				
+L-129-16/0	Gazdar, Adi F.	(b)(4);	Galera Therapeutics, Inc.	9-Jan-18
+L-129-16/0	Minna, John D.	(b)(6)	Galera Therapeutics, Inc.	9-Jan-18
+L-018-12/1	Aaronson, Stuart A.		DNAtrix, Inc.	9-Jan-18
+L-018-12/1	(b) (6) Donald J. Giard		DNAtrix, Inc.	9-Jan-18
+L-018-12/1	Parks, Wade P		DNAtrix, Inc.	9-Jan-18
+L-331-17/0	(b) (4)		Istari Oncology Inc	9-Jan-18
+L-331-17/0	Broadt, Trevor L.		Istari Oncology Inc	9-Jan-18
+L-331-17/0	Mitra, Guatam (George)		Istari Oncology Inc	9-Jan-18
+L-331-17/0	Shaban, Samir H.		Istari Oncology Inc	9-Jan-18
+L-331-17/0	Xie, yuequing		Istari Oncology Inc	9-Jan-18
+L-331-17/0	Zhu, Jianwei		Istari Oncology Inc	9-Jan-18
+L-133-09/0	Gazdar, Adi F.		Ventana Medical Systems, Inc.	10-Jan-18
+L-133-09/0	Johnson, Bruce E		Ventana Medical Systems, Inc.	10-Jan-18
+L-133-09/0	Kaye, Frederic J		Ventana Medical Systems, Inc.	10-Jan-18
+L-133-09/0	Khleif, Samir N.		Ventana Medical Systems, Inc.	10-Jan-18
+L-133-09/0	Minna, John D.		Ventana Medical Systems, Inc.	10-Jan-18
+L-133-09/0	Oie, Herbert K		Ventana Medical Systems, Inc.	10-Jan-18
+L-133-09/0	Pass, Harvey I.		Ventana Medical Systems, Inc.	10-Jan-18
+L-028-18/0	NCI		Scanmed LLC	10-Jan-18
<i>Note: L-028-18/0 split between CC; CIT; NCI</i>				
+L-190-94/2	Potter, (b) (6) Michael	(b)(4);	ImmunoVision, Inc.	11-Jan-18
+L-095-17/0	Bonomi, Carrie A.	(b)(6)	Millennium Pharmaceuticals, Inc.	11-Jan-18
+L-095-17/0	Borgel, Suzanne D.		Millennium Pharmaceuticals, Inc.	11-Jan-18
+L-095-17/0	Dougherty, Kelly		Millennium Pharmaceuticals, Inc.	11-Jan-18
+L-095-17/0	Hollingshead, Melinda G.		Millennium Pharmaceuticals, Inc.	11-Jan-18
+L-108-09/0	NCI		Beckman Coulter	12-Jan-18
+L-257-17/0	Buck, Christopher	(b)(4);	Serum Institute of India PVT. LTD.	12-Jan-18
+L-257-17/0	(b) (4)	(b)(6)	Serum Institute of India PVT. LTD.	12-Jan-18
+L-257-17/0	Lowy, Douglas R.		Serum Institute of India PVT. LTD.	12-Jan-18

(b) (3) (A), (b) (4), (b) (6)

+L-257-17/0	Pastrana, Diana V	(b)(4);	Serum Institute of India PVT. LTD.	12-Jan-18
+L-257-17/0	Roden, Richard B	(b)(6)	Serum Institute of India PVT. LTD.	12-Jan-18
+L-257-17/0	Schiller, John T		Serum Institute of India PVT. LTD.	12-Jan-18
+L-027-06/2	Crowl, Robert		Maxim Biomedical	12-Jan-18
+L-027-06/2	Gallo, Robert C.		Maxim Biomedical	12-Jan-18
+L-027-06/2	(b) (4)		Maxim Biomedical	12-Jan-18
+L-027-06/2	Popovic, Mikulas		Maxim Biomedical	12-Jan-18
+L-027-06/2	Reddy, E. Premkumar.		Maxim Biomedical	12-Jan-18
+L-027-06/2	Sarnagadharan, Mangalasseril		Maxim Biomedical	12-Jan-18
+L-027-06/2	Shaw, George M		Maxim Biomedical	12-Jan-18
+L-027-06/2	Wong-Staal, Flossie		Maxim Biomedical	12-Jan-18
+L-027-06/2	Crowl, Robert		Maxim Biomedical	12-Jan-18
+L-027-06/2	Gallo, Robert C.		Maxim Biomedical	12-Jan-18
+L-027-06/2	(b) (4)		Maxim Biomedical	12-Jan-18
+L-027-06/2	Popovic, Mikulas		Maxim Biomedical	12-Jan-18
+L-027-06/2	Reddy, E. Premkumar.		Maxim Biomedical	12-Jan-18
+L-027-06/2	Sarnagadharan, Mangalasseril		Maxim Biomedical	12-Jan-18
+L-027-06/2	Shaw, George M		Maxim Biomedical	12-Jan-18
+L-027-06/2	Wong-Staal, Flossie		Maxim Biomedical	12-Jan-18
+L-100-05/0	Hollingshead, Melinda G.		InvivoGen., Inc.	12-Jan-18
+L-100-05/0	Sausville, Edward		InvivoGen., Inc.	12-Jan-18
+L-100-05/0	Snader, Kenneth M		InvivoGen., Inc.	12-Jan-18
+L-100-05/0	Vishnuvajjala, B. Rao		InvivoGen., Inc.	12-Jan-18
+L-327-17/0	Gao, Wei		Diagnostic BioSystems	12-Jan-18
+L-327-17/0	Hassan, Raffit		Diagnostic BioSystems	12-Jan-18
+L-327-17/0	Ho, Mitchell		Diagnostic BioSystems	12-Jan-18
+L-327-17/0	Pastan, Ira H		Diagnostic BioSystems	12-Jan-18
+L-327-17/0	Phung, Yen T.		Diagnostic BioSystems	12-Jan-18
+L-327-17/0	Zhang, Yifan		Diagnostic BioSystems	12-Jan-18
+L-325-17/0	Gao, Wei		Diagnostic BioSystems	12-Jan-18
+L-325-17/0	Ho, Mitchell		Diagnostic BioSystems	12-Jan-18
+L-325-17/0	Phung, Yen T.		Diagnostic BioSystems	12-Jan-18
+L-325-17/0	Zhang, Yifan		Diagnostic BioSystems	12-Jan-18
+L-200-15/0	Aaronson, Stuart A.		TILT Biotherapeutics, Ltd.	16-Jan-18
+L-200-15/0	(b) (6) Donald J. Giard		TILT Biotherapeutics, Ltd.	16-Jan-18
+L-200-15/0	Parks, Wade P		TILT Biotherapeutics, Ltd.	16-Jan-18
+L-097-00/2	Austin, Faye C.		BD Biosciences, PharMingen	17-Jan-18
+L-097-00/2	Colcher, David		BD Biosciences, PharMingen	17-Jan-18
+L-097-00/2	Hand, Patricia H		BD Biosciences, PharMingen	17-Jan-18
+L-097-00/2	Nuti, Marianna		BD Biosciences, PharMingen	17-Jan-18
+L-097-00/2	Schlom, Jeffrey		BD Biosciences, PharMingen	17-Jan-18
+L-100-12/1	Ise, Tomoko		BD Biosciences	17-Jan-18
+L-100-12/1	Nagata, Satoshi		BD Biosciences	17-Jan-18
+L-100-12/1	Pastan, Ira H		BD Biosciences	17-Jan-18
+L-076-16/0	Azimi, Nazli		BD Biosciences	17-Jan-18
+L-076-16/0	Dubois, Sigrid		BD Biosciences	17-Jan-18
+L-076-16/0	Goldman, Carolyn		BD Biosciences	17-Jan-18
+L-076-16/0	Lantz, Valerie A		BD Biosciences	17-Jan-18
+L-076-16/0	Mariner Kilbourne, Jennifer		BD Biosciences	17-Jan-18
+L-076-16/0	Waldmann, Thomas A.		BD Biosciences	17-Jan-18

(b) (3) (A), (b) (4), (b) (6)

+L-187-95/2	Yoshimura, Teizo	(b)(4); (b)(6)	BD BIOSCIENCES	17-Jan-18
+L-187-95/2	Yoshimura, Teizo		BD BIOSCIENCES	17-Jan-18
+L-080-93/2	Hathcock, Karen		BD Biosciences - BD PharMingen, Inc.	17-Jan-18
+L-080-93/2	Hodes, Richard		BD Biosciences - BD PharMingen, Inc.	17-Jan-18
+L-080-93/2	Laszlo, Gloria		BD Biosciences - BD PharMingen, Inc.	17-Jan-18
+L-282-14/0	Bianco, Caterina		Beacon Biomedical LLC	17-Jan-18
+L-282-14/0	Salomon, David S		Beacon Biomedical LLC	17-Jan-18
+L-164-13/1	Lowy, Douglas R.		Aura Biosciences, Inc.	17-Jan-18
+L-164-13/1	Roberts, Jeffrey		Aura Biosciences, Inc.	17-Jan-18
+L-164-13/1	Schiller, John T		Aura Biosciences, Inc.	17-Jan-18
+L-164-13/1	Lowy, Douglas R.		Aura Biosciences, Inc.	17-Jan-18
+L-164-13/1	Roberts, Jeffrey		Aura Biosciences, Inc.	17-Jan-18
+L-164-13/1	Schiller, John T		Aura Biosciences, Inc.	17-Jan-18
+L-002-12/0	Barry, Todd		ARUP Laboratories	17-Jan-18
+L-002-12/0	Rosenwald, Andreas		ARUP Laboratories	17-Jan-18
+L-002-12/0	Staudt, Louis M		ARUP Laboratories	17-Jan-18
+L-002-12/0	Wiestner, Adrian		ARUP Laboratories	17-Jan-18
+L-002-12/0	Wilson, Wyndham H.		ARUP Laboratories	17-Jan-18
+L-009-05/1	Fitzgerald, David J.		Snaofi Pasteur	18-Jan-18
+L-009-05/1	Pastan, Ira H		Snaofi Pasteur	18-Jan-18
<i>Note: L-009-05/1 split between NCI; NICHD; NIDDK</i>				
+L-046-18/0	Bonomi, Carrie A.		Northern Biologics Inc.	18-Jan-18
+L-046-18/0	Borgel, Suzanne D.		Northern Biologics Inc.	18-Jan-18
+L-046-18/0	Dougherty, Kelly		Northern Biologics Inc.	18-Jan-18
+L-046-18/0	Hollingshead, Melinda G.		Northern Biologics Inc.	18-Jan-18
+L-046-18/0	Bonomi, Carrie A.		Northern Biologics Inc.	18-Jan-18
+L-046-18/0	Borgel, Suzanne D.		Northern Biologics Inc.	18-Jan-18
+L-046-18/0	Dougherty, Kelly		Northern Biologics Inc.	18-Jan-18
+L-046-18/0	Hollingshead, Melinda G.		Northern Biologics Inc.	18-Jan-18
+L-093-10/1	Chang, Nancy T.		BioLytical Labs	18-Jan-18
+L-093-10/1	Crowl, Robert		BioLytical Labs	18-Jan-18
+L-093-10/1	Gallo, Robert C.		BioLytical Labs	18-Jan-18
+L-093-10/1	(b) (4)		BioLytical Labs	18-Jan-18
+L-093-10/1	Reddy, E. Premkumar.		BioLytical Labs	18-Jan-18
+L-093-10/1	Shaw, George M		BioLytical Labs	18-Jan-18
+L-093-10/1	Wong-Staal, Flossie		BioLytical Labs	18-Jan-18
+L-055-18/0	Keseling, Beverly G		Agilis Biotherapeutics LLC	18-Jan-18
+L-055-18/0	Warfield, Paul		Agilis Biotherapeutics LLC	18-Jan-18
+L-030-18/0	Bonomi, Carrie A.		23andMe Therapeutics	19-Jan-18
+L-030-18/0	Borgel, Suzanne D.		23andMe Therapeutics	19-Jan-18
+L-030-18/0	Dougherty, Kelly		23andMe Therapeutics	19-Jan-18
+L-030-18/0	Hollingshead, Melinda G.		23andMe Therapeutics	19-Jan-18
+L-030-18/0	Bonomi, Carrie A.		23andMe Therapeutics	19-Jan-18
+L-030-18/0	Borgel, Suzanne D.		23andMe Therapeutics	19-Jan-18
+L-030-18/0	Dougherty, Kelly		23andMe Therapeutics	19-Jan-18

(b) (3) (A), (b) (4), (b) (6)

+L-030-18/0	Hollingshead, Melinda G.	(b)(4); (b)(6)	23andMe Therapeutics	19-Jan-18
+L-030-18/0	Bonomi, Carrie A.		23andMe Therapeutics	19-Jan-18
+L-030-18/0	Borgel, Suzanne D.		23andMe Therapeutics	19-Jan-18
+L-030-18/0	Dougherty, Kelly		23andMe Therapeutics	19-Jan-18
+L-030-18/0	Hollingshead, Melinda G.		23andMe Therapeutics	19-Jan-18
+L-002-16/1	NCI		Kite Pharma, Inc.	19-Jan-18
+L-002-16/1	Feldman, Steven A		Kite Pharma, Inc.	19-Jan-18
+L-002-16/1	Morgan, Richard A.		Kite Pharma, Inc.	19-Jan-18
+L-002-16/1	Robbins, Paul F		Kite Pharma, Inc.	19-Jan-18
+L-002-16/1	Rosenberg, Steven A.		Kite Pharma, Inc.	19-Jan-18
+L-002-16/1	Yao, Xin		Kite Pharma, Inc.	19-Jan-18
+L-002-16/1	Zhu, Shiqui		Kite Pharma, Inc.	19-Jan-18
+L-319-17/0	Bonomi, Carrie A.		BioTech AG	22-Jan-18
+L-319-17/0	Borgel, Suzanne D.		BioTech AG	22-Jan-18
+L-319-17/0	Dougherty, Kelly		BioTech AG	22-Jan-18
+L-319-17/0	Hollingshead, Melinda G.		BioTech AG	22-Jan-18
+L-038-18/0	Blumberg, Peter M.		Bull Run Capital Inc	22-Jan-18
+L-038-18/0	Pearce, Larry V		Bull Run Capital Inc	22-Jan-18
+L-025-18/0	Hanada, Kenichi		CTG Pharma LTD	23-Jan-18
+L-025-18/0	Yang, James C		CTG Pharma LTD	23-Jan-18
+L-025-18/0	Yu, Zhiya		CTG Pharma LTD	23-Jan-18
+L-025-18/0	Hanada, Kenichi		CTG Pharma LTD	23-Jan-18
+L-025-18/0	Yang, James C		CTG Pharma LTD	23-Jan-18
+L-025-18/0	Yu, Zhiya		CTG Pharma LTD	23-Jan-18
+L-031-16/0	Bonomi, Carrie A.		Shanghai ChemPartner Co., Ltd.	23-Jan-18
+L-031-16/0	Borgel, Suzanne D.		Shanghai ChemPartner Co., Ltd.	23-Jan-18
+L-031-16/0	Dougherty, Kelly		Shanghai ChemPartner Co., Ltd.	23-Jan-18
+L-031-16/0	Hollingshead, Melinda G.		Shanghai ChemPartner Co., Ltd.	23-Jan-18
+L-016-18/0	Brinkmann, Ulrich		Teijin Pharma Limited	24-Jan-18
+L-016-18/0	Jung, Sun-Hee		Teijin Pharma Limited	24-Jan-18
+L-016-18/0	Kuan, Chien-Tsun		Teijin Pharma Limited	24-Jan-18
+L-016-18/0	Lee, Byungkook		Teijin Pharma Limited	24-Jan-18
+L-016-18/0	Pastan, Ira H		Teijin Pharma Limited	24-Jan-18
+L-016-18/0	Brinkmann, Ulrich		Teijin Pharma Limited	24-Jan-18
+L-016-18/0	Jung, Sun-Hee		Teijin Pharma Limited	24-Jan-18
+L-016-18/0	Kuan, Chien-Tsun		Teijin Pharma Limited	24-Jan-18
+L-016-18/0	Lee, Byungkook		Teijin Pharma Limited	24-Jan-18
+L-016-18/0	Pastan, Ira H		Teijin Pharma Limited	24-Jan-18
+L-016-18/0	Brinkmann, Ulrich		Teijin Pharma Limited	24-Jan-18
+L-016-18/0	Jung, Sun-Hee		Teijin Pharma Limited	24-Jan-18
+L-016-18/0	Kuan, Chien-Tsun		Teijin Pharma Limited	24-Jan-18
+L-016-18/0	Lee, Byungkook		Teijin Pharma Limited	24-Jan-18
+L-016-18/0	Pastan, Ira H		Teijin Pharma Limited	24-Jan-18
+L-160-10/0	Jelinek, Ivett		AbD Serotec	24-Jan-18
+L-160-10/0	Segal, David M.		AbD Serotec	24-Jan-18
+L-160-10/0	Wang, Yan		AbD Serotec	24-Jan-18

(b) (3) (A), (b) (4), (b) (6)

+L-086-11/0	Baskar, Sivasubramanian	(b)(4);	Miltenyi Biotec GMBH	25-Jan-18
+L-086-11/0	Rader, Christoph	(b)(6)	Miltenyi Biotec GMBH	25-Jan-18
+L-130-94/2	King, Charles R.		Santa Cruz Biotechnology	25-Jan-18
+L-130-94/2	Liotta, Lance		Santa Cruz Biotechnology	25-Jan-18
+L-130-94/2	Steeg, Patricia S.		Santa Cruz Biotechnology	25-Jan-18
+L-302-17/0	Bonomi, Carrie A.		Pfizer Global Research & Development	25-Jan-18
+L-302-17/0	Borgel, Suzanne D.		Pfizer Global Research & Development	25-Jan-18
+L-302-17/0	Dougherty, Kelly		Pfizer Global Research & Development	25-Jan-18
+L-302-17/0	Hollingshead, Melinda G.		Pfizer Global Research & Development	25-Jan-18
+L-319-17/0	Bonomi, Carrie A.		BioTech AG	25-Jan-18
+L-319-17/0	Borgel, Suzanne D.		BioTech AG	25-Jan-18
+L-319-17/0	Dougherty, Kelly		BioTech AG	25-Jan-18
+L-319-17/0	Hollingshead, Melinda G.		BioTech AG	25-Jan-18
+L-319-17/0	Bonomi, Carrie A.		BioTech AG	25-Jan-18
+L-319-17/0	Borgel, Suzanne D.		BioTech AG	25-Jan-18
+L-319-17/0	Dougherty, Kelly		BioTech AG	25-Jan-18
+L-319-17/0	Hollingshead, Melinda G.		BioTech AG	25-Jan-18
+L-319-17/0	Bonomi, Carrie A.		BioTech AG	25-Jan-18
+L-319-17/0	Borgel, Suzanne D.		BioTech AG	25-Jan-18
+L-319-17/0	Dougherty, Kelly		BioTech AG	25-Jan-18
+L-319-17/0	Hollingshead, Melinda G.		BioTech AG	25-Jan-18
+L-086-08/2	(b)(4)		PAXVAX INC	25-Jan-18
+L-086-08/2	Peng, Bo		PAXVAX INC	25-Jan-18
+L-086-08/2	Robert-Guroff, Marjorie		PAXVAX INC	25-Jan-18
+L-086-08/2	Voltan, Rebecca		PAXVAX INC	25-Jan-18
+L-250-17/0	Bonomi, Carrie A.		Aragen Bioscience, Inc.	25-Jan-18
+L-250-17/0	Borgel, Suzanne D.		Aragen Bioscience, Inc.	25-Jan-18
+L-250-17/0	Dougherty, Kelly		Aragen Bioscience, Inc.	25-Jan-18
+L-250-17/0	Hollingshead, Melinda G.		Aragen Bioscience, Inc.	25-Jan-18
+L-089-16/2	Dimitrov, Dimiter S.		H2Bio	25-Jan-18
+L-089-16/2	Feng, Mingqian		H2Bio	25-Jan-18
+L-089-16/2	Gao, Wei		H2Bio	25-Jan-18
+L-089-16/2	Ho, Mitchell		H2Bio	25-Jan-18
+L-089-16/2	Pastan, Ira H		H2Bio	25-Jan-18
+L-089-16/2	Tang, Zhewei		H2Bio	25-Jan-18
+L-091-11/0	Chang, Nancy T.		Quest Diagnostics, Inc.	26-Jan-18
+L-091-11/0	Fisher, Amanda G.		Quest Diagnostics, Inc.	26-Jan-18
+L-091-11/0	Gallo, Robert C.		Quest Diagnostics, Inc.	26-Jan-18
+L-091-11/0	Hahn, Beatrice		Quest Diagnostics, Inc.	26-Jan-18
+L-091-11/0	(b)(4)		Quest Diagnostics, Inc.	26-Jan-18
+L-091-11/0	Popovic, Mikulas		Quest Diagnostics, Inc.	26-Jan-18
+L-091-11/0	Sarnagadharan, Mangalasseril		Quest Diagnostics, Inc.	26-Jan-18
+L-091-11/0	Shaw, George M		Quest Diagnostics, Inc.	26-Jan-18
+L-091-11/0	Wong-Staal, Flossie		Quest Diagnostics, Inc.	26-Jan-18
+L-090-98/0	Allegra, Carmen		NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	Chabner, Bruce A		NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	Colcher, David		NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	(b)(4)		NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	Johnston, Patrick G.		NeoMarkers, Inc.	30-Jan-18

(b) (3) (A), (b) (4), (b) (6)

+L-090-98/0	Kawakami, Yutaka	(b)(4);	NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	Liang, Chi-Ming	(b)(6)	NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	Rosenberg, Steven A.		NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	Schlom, Jeffrey		NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	(b) (4)		NeoMarkers, Inc.	30-Jan-18
+L-013-01/1	Austin, Faye C.		NeoMarkers, Inc.	30-Jan-18
+L-013-01/1	Colcher, David		NeoMarkers, Inc.	30-Jan-18
+L-013-01/1	Hand, Patricia H		NeoMarkers, Inc.	30-Jan-18
+L-013-01/1	Nuti, Marianna		NeoMarkers, Inc.	30-Jan-18
+L-013-01/1	Schlom, Jeffrey		NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	Allegra, Carmen		NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	Chabner, Bruce A		NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	Colcher, David		NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	(b) (4)		NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	Johnston, Patrick G.		NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	Kawakami, Yutaka		NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	Liang, Chi-Ming		NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	Rosenberg, Steven A.		NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	Schlom, Jeffrey		NeoMarkers, Inc.	30-Jan-18
+L-090-98/0	(b) (4)		NeoMarkers, Inc.	30-Jan-18
+L-032-18/1	Bonomi, Carrie A.		Revolution Medicines, Inc.	30-Jan-18
+L-032-18/1	Borgel, Suzanne D.		Revolution Medicines, Inc.	30-Jan-18
+L-032-18/1	Dougherty, Kelly		Revolution Medicines, Inc.	30-Jan-18
+L-032-18/1	Hollingshead, Melinda G.		Revolution Medicines, Inc.	30-Jan-18

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NCI
February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-047-02/3	Waldmann, Thomas A.	(b)(4); (b)(6)	Advanced Targeting Systems	1-Feb-18						(b) (3) (A), (b) (4), (b) (6)
+L-223-17/0	Beers, Richard		Selecta Biosciences, Inc.	1-Feb-18						
+L-223-17/0	Chang, Kai		Selecta Biosciences, Inc.	1-Feb-18						
+L-223-17/0	Chowdhury, Partha S		Selecta Biosciences, Inc.	1-Feb-18						
+L-223-17/0	Eberle, Jaime A		Selecta Biosciences, Inc.	1-Feb-18						
+L-223-17/0	Fitzgerald, David J.		Selecta Biosciences, Inc.	1-Feb-18						
+L-223-17/0	Kreitman, Robert J		Selecta Biosciences, Inc.	1-Feb-18						
+L-223-17/0	Lee, Byungkook		Selecta Biosciences, Inc.	1-Feb-18						
+L-223-17/0	Liu, Wenhai		Selecta Biosciences, Inc.	1-Feb-18						
+L-223-17/0	Mazor, Ronit		Selecta Biosciences, Inc.	1-Feb-18						
+L-223-17/0	Nagata, Satoshi		Selecta Biosciences, Inc.	1-Feb-18						
+L-223-17/0	Onda, Masanori		Selecta Biosciences, Inc.	1-Feb-18						
+L-223-17/0	Pastan, Ira H		Selecta Biosciences, Inc.	1-Feb-18						
+L-223-17/0	Vassall, Aaron		Selecta Biosciences, Inc.	1-Feb-18						
+L-223-17/0	Weldon, John		Selecta Biosciences, Inc.	1-Feb-18						
+L-284-17/0	Bonomi, Carrie A.		Merck Sharp & Dohme Corp.	1-Feb-18						
+L-284-17/0	Borgel, Suzanne D.		Merck Sharp & Dohme Corp.	1-Feb-18						
+L-284-17/0	Dougherty, Kelly		Merck Sharp & Dohme Corp.	1-Feb-18						
+L-284-17/0	Hollingshead, Melinda G.		Merck Sharp & Dohme Corp.	1-Feb-18						
+L-284-17/0	Bonomi, Carrie A.		Merck Sharp & Dohme Corp.	1-Feb-18						

+L-284-17/0	Borgel, Suzanne D.	(b)(4);	Merck Sharp & Dohme Corp.	1-Feb-18
+L-284-17/0	Dougherty, Kelly	(b)(6)	Merck Sharp & Dohme Corp.	1-Feb-18
+L-284-17/0	Hollingshead, Melinda G.		Merck Sharp & Dohme Corp.	1-Feb-18
+L-047-06/1	Crowl, Robert		Chembio Diagnostic Systems, Inc.	1-Feb-18
+L-047-06/1	Gallo, Robert C.		Chembio Diagnostic Systems, Inc.	1-Feb-18
+L-047-06/1	(b)(4)		Chembio Diagnostic Systems, Inc.	1-Feb-18
+L-047-06/1	Reddy, E. Premkumar.		Chembio Diagnostic Systems, Inc.	1-Feb-18
+L-047-06/1	Shaw, George M		Chembio Diagnostic Systems, Inc.	1-Feb-18
+L-047-06/1	Wong-Staal, Flossie		Chembio Diagnostic Systems, Inc.	1-Feb-18
+L-049-18/0	Bonomi, Carrie A.		BrightPath Biotherapeutics Co., Ltd.	1-Feb-18
+L-049-18/0	Borgel, Suzanne D.		BrightPath Biotherapeutics Co., Ltd.	1-Feb-18
+L-049-18/0	Dougherty, Kelly		BrightPath Biotherapeutics Co., Ltd.	1-Feb-18
+L-049-18/0	Hollingshead, Melinda G.		BrightPath Biotherapeutics Co., Ltd.	1-Feb-18
+L-190-98/1	Chang, Nancy T.		ViroGen Corp.	1-Feb-18
+L-190-98/1	Crowl, Robert		ViroGen Corp.	1-Feb-18
+L-190-98/1	Franchini, Genoveffa		ViroGen Corp.	1-Feb-18
+L-190-98/1	Gallo, Robert C.		ViroGen Corp.	1-Feb-18
+L-190-98/1	Gartner, Suzanne		ViroGen Corp.	1-Feb-18
+L-190-98/1	Lori, Franco C.		ViroGen Corp.	1-Feb-18
+L-190-98/1	Markham, Phillip D.		ViroGen Corp.	1-Feb-18
+L-190-98/1	Popovic, Mikulas		ViroGen Corp.	1-Feb-18
+L-190-98/1	Reddy, E. Premkumar.		ViroGen Corp.	1-Feb-18
+L-190-98/1	Reitz, Jr., Marvin S.		ViroGen Corp.	1-Feb-18
+L-190-98/1	Sargadharan, Mangalasseril		ViroGen Corp.	1-Feb-18
+L-190-98/1	Shaw, George M		ViroGen Corp.	1-Feb-18
+L-190-98/1	Wong-Staal, Flossie		ViroGen Corp.	1-Feb-18
+L-234-00/5	Gelboin, (b)(6) Harry		Xeno Tech, LLC	1-Feb-18
+L-234-00/5	Gonzalez, Frank J		Xeno Tech, LLC	1-Feb-18
+L-234-00/5	Krausz, Kristopher W.		Xeno Tech, LLC	1-Feb-18
+L-234-00/5	Yang, Tian J.		Xeno Tech, LLC	1-Feb-18
+L-092-12/2	NCI		Admune Therapeutics LLC	1-Feb-18
+L-130-15/0	NCI		A'as Inc.	1-Feb-18
<i>Note: L-130-15/0 split between FDA; NCI</i>				
+L-032-18/1	Bonomi, Carrie A.	(b)(4);	Revolution Medicines, Inc.	1-Feb-18
+L-032-18/1	Borgel, Suzanne D.	(b)(6)	Revolution Medicines, Inc.	1-Feb-18
+L-032-18/1	Dougherty, Kelly		Revolution Medicines, Inc.	1-Feb-18
+L-032-18/1	Hollingshead, Melinda G.		Revolution Medicines, Inc.	1-Feb-18
+L-166-02/2	Schlom, Jeffrey		Biocare Medical LLC	1-Feb-18
+L-242-02/2	Kawakami, Yutaka		Biocare Medical, LLC	1-Feb-18
+L-242-02/2	Rosenberg, Steven A.		Biocare Medical, LLC	1-Feb-18
+L-086-16/0	Bonomi, Carrie A.		Compass Therapeutics, LLC	1-Feb-18
+L-086-16/0	Dougherty, Kelly		Compass Therapeutics, LLC	1-Feb-18
+L-086-16/0	Hollingshead, Melinda G.		Compass Therapeutics, LLC	1-Feb-18
+L-166-02/2	Schlom, Jeffrey		Biocare Medical LLC	1-Feb-18
+L-284-17/0	Bonomi, Carrie A.		Merck Sharp & Dohme Corp.	1-Feb-18
+L-284-17/0	Borgel, Suzanne D.		Merck Sharp & Dohme Corp.	1-Feb-18
+L-284-17/0	Dougherty, Kelly		Merck Sharp & Dohme Corp.	1-Feb-18

(b) (3) (A), (b) (4), (b) (6)

+L-284-17/0	Hollingshead, Melinda G.	(b)(4); (b)(6)	Merck Sharp & Dohme Corp.	1-Feb-18
+L-121-08/0	Brechbiel, Martin W.		Medtronic Inc	5-Feb-18
+L-121-08/0	Garmestani, Kayhan		Medtronic Inc	5-Feb-18
<i>Note: L-121-08/0 split between NCI; NINDS</i>				
+L-205-16/0	Gazdar, Adi F.		Relay Therapeutics, Inc.	5-Feb-18
+L-205-16/0	Johnson, Bruce E		Relay Therapeutics, Inc.	5-Feb-18
+L-205-16/0	Kaye, Frederic J		Relay Therapeutics, Inc.	5-Feb-18
+L-205-16/0	Khleif, Samir N.		Relay Therapeutics, Inc.	5-Feb-18
+L-205-16/0	Minna, John D.		Relay Therapeutics, Inc.	5-Feb-18
+L-205-16/0	Oie, Herbert K		Relay Therapeutics, Inc.	5-Feb-18
+L-205-16/0	Pass, Harvey I.		Relay Therapeutics, Inc.	5-Feb-18
+L-246-02/0	Allegra, Carmen		Dako Corp	6-Feb-18
+L-246-02/0	Chabner, Bruce A		Dako Corp	6-Feb-18
+L-246-02/0	Johnston, Patrick G.		Dako Corp	6-Feb-18
+L-246-02/0	Liang, Chi-Ming		Dako Corp	6-Feb-18
+L-229-17/0	Bonomi, Carrie A.		Molecular Imaging, Inc.	6-Feb-18
+L-229-17/0	Borgel, Suzanne D.		Molecular Imaging, Inc.	6-Feb-18
+L-229-17/0	Dougherty, Kelly		Molecular Imaging, Inc.	6-Feb-18
+L-229-17/0	Hollingshead, Melinda G.		Molecular Imaging, Inc.	6-Feb-18
+L-227-17/0	Bonomi, Carrie A.		Seres Therapeutics, Inc.	6-Feb-18
+L-227-17/0	Borgel, Suzanne D.		Seres Therapeutics, Inc.	6-Feb-18
+L-227-17/0	Dougherty, Kelly		Seres Therapeutics, Inc.	6-Feb-18
+L-227-17/0	Hollingshead, Melinda G.		Seres Therapeutics, Inc.	6-Feb-18
+L-066-10/0	Allegra, Carmen		Cell Signaling Technology Inc	6-Feb-18
+L-066-10/0	Chabner, Bruce A		Cell Signaling Technology Inc	6-Feb-18
+L-066-10/0	Johnston, Patrick G.		Cell Signaling Technology Inc	6-Feb-18
+L-066-10/0	Liang, Chi-Ming		Cell Signaling Technology Inc	6-Feb-18
+L-064-11/0	Barry, Todd		Eptiomics Inc	6-Feb-18
+L-064-11/0	Rosenwald, Andreas		Eptiomics Inc	6-Feb-18
+L-064-11/0	Staudt, Louis M		Eptiomics Inc	6-Feb-18
+L-064-11/0	Wiestner, Adrian		Eptiomics Inc	6-Feb-18
+L-064-11/0	Wilson, Wyndham H.		Eptiomics Inc	6-Feb-18
+L-092-12/1	NCI		Admune Therapeutics LLC	6-Feb-18
+L-064-06/5	Boyd, Michael R.	(b)(4);	Intrucept Biomedicine, LLC	7-Feb-18
+L-064-06/5	O'Keefe, Barry	(b)(6)	Intrucept Biomedicine, LLC	7-Feb-18
+L-064-06/5	Toshiyuki, Mori		Intrucept Biomedicine, LLC	7-Feb-18
+L-010-09/1	Felber, Barbara K.		Taimed Biologics USA	8-Feb-18
+L-010-09/1	Pavlikis, George N		Taimed Biologics USA	8-Feb-18
+L-028-18/0	NCI		Scanmed LLC	8-Feb-18
<i>Note: L-028-18/0 split between CC; CIT; NCI</i>				
+L-108-09/0	Conrads, Thomas P		Beckman Coulter	9-Feb-18
+L-108-09/0	Issaq, Haleem J.		Beckman Coulter	9-Feb-18
+L-108-09/0	Janini, George		Beckman Coulter	9-Feb-18
+L-108-09/0	Veenstra, Timothy D		Beckman Coulter	9-Feb-18
+L-108-09/0	Wilkins, Kenneth L.		Beckman Coulter	9-Feb-18
+L-264-17/0	Bonomi, Carrie A.		AstraZeneca	9-Feb-18

(b) (3) (A), (b) (4), (b) (6)

+L-264-17/0	Borgel, Suzanne D.	(b)(4);	AstraZeneca	9-Feb-18
+L-264-17/0	Dougherty, Kelly	(b)(6)	AstraZeneca	9-Feb-18
+L-264-17/0	Hollingshead, Melinda G.		AstraZeneca	9-Feb-18
+L-264-17/0	Bonomi, Carrie A.		AstraZeneca	9-Feb-18
+L-264-17/0	Borgel, Suzanne D.		AstraZeneca	9-Feb-18
+L-264-17/0	Dougherty, Kelly		AstraZeneca	9-Feb-18
+L-264-17/0	Hollingshead, Melinda G.		AstraZeneca	9-Feb-18
+L-168-07/2	Chowdhury, Partha S		Morphotek Inc.	9-Feb-18
+L-168-07/2	Pastan, Ira H		Morphotek Inc.	9-Feb-18
+L-032-06/2	Chang, Kai		Morphotek, Inc.	9-Feb-18
+L-032-06/2	Chowdhury, Partha S		Morphotek, Inc.	9-Feb-18
+L-032-06/2	Pastan, Ira H		Morphotek, Inc.	9-Feb-18
+L-032-06/2	Willingham, Mark C.		Morphotek, Inc.	9-Feb-18
+L-062-18/0	Bonomi, Carrie A.		Constellation Pharmaceuticals	13-Feb-18
+L-062-18/0	Borgel, Suzanne D.		Constellation Pharmaceuticals	13-Feb-18
+L-062-18/0	Dougherty, Kelly		Constellation Pharmaceuticals	13-Feb-18
+L-062-18/0	Hollingshead, Melinda G.		Constellation Pharmaceuticals	13-Feb-18
+L-001-08/1	Austin, Faye C.		Cell Marque Corp	14-Feb-18
+L-001-08/1	Colcher, David		Cell Marque Corp	14-Feb-18
+L-001-08/1	Hand, Patricia H		Cell Marque Corp	14-Feb-18
+L-001-08/1	Nuti, Marianna		Cell Marque Corp	14-Feb-18
+L-001-08/1	Schlom, Jeffrey		Cell Marque Corp	14-Feb-18
+L-060-18/0	Bonomi, Carrie A.		Kineta, Inc	14-Feb-18
+L-060-18/0	Borgel, Suzanne D.		Kineta, Inc	14-Feb-18
+L-060-18/0	Dougherty, Kelly		Kineta, Inc	14-Feb-18
+L-060-18/0	Hollingshead, Melinda G.		Kineta, Inc	14-Feb-18
+L-060-18/0	Bonomi, Carrie A.		Kineta, Inc	14-Feb-18
+L-060-18/0	Borgel, Suzanne D.		Kineta, Inc	14-Feb-18
+L-060-18/0	Dougherty, Kelly		Kineta, Inc	14-Feb-18
+L-060-18/0	Hollingshead, Melinda G.		Kineta, Inc	14-Feb-18
+L-051-18/0	Bonomi, Carrie A.		Tango Therapeutics	14-Feb-18
+L-051-18/0	Borgel, Suzanne D.		Tango Therapeutics	14-Feb-18
+L-051-18/0	Dougherty, Kelly		Tango Therapeutics	14-Feb-18
+L-051-18/0	Hollingshead, Melinda G.		Tango Therapeutics	14-Feb-18
+L-045-04/1	Guedez, Liliana		Trevigen, Inc.	14-Feb-18
+L-045-04/1	Stetler-Stevenson, William G.		Trevigen, Inc.	14-Feb-18
<i>Note: L-045-04/1 split between NCI; NIBIB</i>				
+L-001-06/0	NCI		Henry Jackson Foundation	14-Feb-18
+L-022-06/3	Gottesman, Michael M.	(b)(4);	Abbott Laboratories	14-Feb-18
+L-022-06/3	Pastan, Ira H	(b)(6)	Abbott Laboratories	14-Feb-18
+L-022-06/3	Ueda, Kazumitsu		Abbott Laboratories	14-Feb-18
+L-162-08/1	Roberts, (b) (6) Anita		BioLegend	14-Feb-18
+L-162-08/1	Sporn, Michael B.		BioLegend	14-Feb-18
<i>Note: L-162-08/1 split between NCI; NIAID</i>				
+L-073-09/0	Bonner, William M		BioLegend	14-Feb-18
+L-073-09/0	Rogakou, Efthimia P		BioLegend	14-Feb-18

+L-095-12/0	Baskar, Sivasubramanian	(b)(4);	BioLegend	14-Feb-18
+L-095-12/0	Rader, Christoph	(b)(6)	BioLegend	14-Feb-18
+L-020-08/2	Roop, Dennis R.		BioLegend	14-Feb-18
+L-020-08/2	Steinert, (b) (6) Peter M.		BioLegend	14-Feb-18
+L-020-08/2	Yuspa, Stuart H.		BioLegend	14-Feb-18
+L-216-14/0	Chang, Kai		Covance Research Product	14-Feb-18
+L-216-14/0	Pastan, Ira H		Covance Research Product	14-Feb-18
+L-216-14/0	Willingham, Mark C.		Covance Research Product	14-Feb-18
+L-010-08/1	Hathcock, Karen		BioLegend	14-Feb-18
+L-010-08/1	Hodes, Richard		BioLegend	14-Feb-18
+L-010-08/1	Laszlo, Gloria		BioLegend	14-Feb-18
+L-042-08/1	Azimi, Nazli		BioLegend	14-Feb-18
+L-042-08/1	Dubois, Sigrid		BioLegend	14-Feb-18
+L-042-08/1	Goldman, Carolyn		BioLegend	14-Feb-18
+L-042-08/1	Lantz, Valerie A		BioLegend	14-Feb-18
+L-042-08/1	Mariner Kilbourne, Jennifer		BioLegend	14-Feb-18
+L-042-08/1	Waldmann, Thomas A.		BioLegend	14-Feb-18
+L-136-09/0	Mason, Llewellyn H.		BioLegend	14-Feb-18
+L-136-09/0	Ortaldo, John R.		BioLegend	14-Feb-18
+L-007-11/1	Onda, Masanori		BioLegend	14-Feb-18
+L-007-11/1	Pastan, Ira H		BioLegend	14-Feb-18
+L-037-11/0	Jelinek, Ivett		BioLegend	14-Feb-18
+L-037-11/0	Segal, David M.		BioLegend	14-Feb-18
+L-037-11/0	Wang, Yan		BioLegend	14-Feb-18
+L-070-12/0	Hathcock, Karen		BioLegend	14-Feb-18
+L-070-12/0	Hodes, Richard		BioLegend	14-Feb-18
+L-070-12/0	Laszlo, Gloria		BioLegend	14-Feb-18
+L-149-12/0	Buck, Christopher		Novartis	14-Feb-18
+L-149-12/0	Schiller, John T		Novartis	14-Feb-18
+L-106-12/0	Jelinek, Ivett		Miltenyi Biotec GMBH	15-Feb-18
+L-106-12/0	Segal, David M.		Miltenyi Biotec GMBH	15-Feb-18
+L-106-12/0	Wang, Yan		Miltenyi Biotec GMBH	15-Feb-18
+L-053-11/0	Mason, Llewellyn H.		Miltenyi Biotec Gmbh	15-Feb-18
+L-053-11/0	Ortaldo, John R.		Miltenyi Biotec Gmbh	15-Feb-18
+L-086-11/0	Baskar, Sivasubramanian		Miltenyi Biotec GMBH	15-Feb-18
+L-086-11/0	Rader, Christoph		Miltenyi Biotec GMBH	15-Feb-18
+L-026-12/0	Mason, Llewellyn H.		Miltenyi Biotec GMBH	15-Feb-18
+L-026-12/0	Ortaldo, John R.		Miltenyi Biotec GMBH	15-Feb-18
+L-066-10/0	Allegra, Carmen		Cell Signaling Technology Inc	15-Feb-18
+L-066-10/0	Chabner, Bruce A		Cell Signaling Technology Inc	15-Feb-18
+L-066-10/0	Johnston, Patrick G.		Cell Signaling Technology Inc	15-Feb-18
+L-066-10/0	Liang, Chi-Ming		Cell Signaling Technology Inc	15-Feb-18
+L-165-99/1	Crowl, Robert		Trinity Biotech	15-Feb-18

(b) (3) (A), (b) (4), (b) (6)

+L-165-99/1	Gallo, Robert C.	(b)(4);	Trinity Biotech	15-Feb-18
+L-165-99/1	(b) (4)	(b)(6)	Trinity Biotech	15-Feb-18
+L-165-99/1	Popovic, Mikulas		Trinity Biotech	15-Feb-18
+L-165-99/1	Reddy, E. Premkumar.		Trinity Biotech	15-Feb-18
+L-165-99/1	Sarngadharan, Mangalasseril		Trinity Biotech	15-Feb-18
+L-165-99/1	Shaw, George M		Trinity Biotech	15-Feb-18
+L-165-99/1	Wong-Staal, Flossie		Trinity Biotech	15-Feb-18
+L-127-11/2	NCI		BN ImmunoTherapeutics	20-Feb-18
+L-149-08/2	NCI		BN Immuno Therapeutics	20-Feb-18
+L-226-15/2	Hodge, James W.	(b)(4);	KeraFAST	20-Feb-18
+L-226-15/2	Schlom, Jeffrey	(b)(6)	KeraFAST	20-Feb-18
+L-008-15/1	Chuaqui, Rodrigo		xMD Diagnostics, LLC	20-Feb-18
+L-008-15/1	Emmert-Buck, Michael R.		xMD Diagnostics, LLC	20-Feb-18
+L-008-15/1	Tangrea, Michael		xMD Diagnostics, LLC	20-Feb-18
<i>Note: L-008-15/1 split between CIT; NCI; NICHD</i>				
+L-113-16/0	NCI		Emergent BioSolutions	21-Feb-18
+L-025-18/0	Hanada, Kenichi	(b)(4);	CTG Pharma LTD	21-Feb-18
+L-025-18/0	Yang, James C	(b)(6)	CTG Pharma LTD	21-Feb-18
+L-025-18/0	Yu, Zhiya		CTG Pharma LTD	21-Feb-18
+L-141-05/0	Gallo, Robert C.		PerkinElmer	21-Feb-18
+L-141-05/0	(b) (4)		PerkinElmer	21-Feb-18
+L-141-05/0	Popovic, Mikulas		PerkinElmer	21-Feb-18
+L-141-05/0	Sarngadharan, Mangalasseril		PerkinElmer	21-Feb-18
+L-141-05/0	Gallo, Robert C.		PerkinElmer	21-Feb-18
+L-141-05/0	(b) (4)		PerkinElmer	21-Feb-18
+L-141-05/0	Popovic, Mikulas		PerkinElmer	21-Feb-18
+L-141-05/0	Sarngadharan, Mangalasseril		PerkinElmer	21-Feb-18
+L-141-05/0	Gallo, Robert C.		PerkinElmer	21-Feb-18
+L-141-05/0	(b) (4)		PerkinElmer	21-Feb-18
+L-141-05/0	Popovic, Mikulas		PerkinElmer	21-Feb-18
+L-141-05/0	Sarngadharan, Mangalasseril		PerkinElmer	21-Feb-18
+L-022-06/3	Gottesman, Michael M.		Abbott Laboratories	21-Feb-18
+L-022-06/3	Pastan, Ira H		Abbott Laboratories	21-Feb-18
+L-022-06/3	Ueda, Kazumitsu		Abbott Laboratories	21-Feb-18
+L-008-15/1	NCI		xMD Diagnostics, LLC	21-Feb-18
<i>Note: L-008-15/1 split between CIT; NCI; NICHD</i>				
+L-008-15/1	NCI		xMD Diagnostics, LLC	21-Feb-18
<i>Note: L-008-15/1 split between CIT; NCI; NICHD</i>				
+L-111-13/0	Muchmore, Brian P.	(b)(4);	EMD Millipore Corp.	23-Feb-18
+L-111-13/0	O'Brien, Thomas R	(b)(6)	EMD Millipore Corp.	23-Feb-18
+L-111-13/0	Porter-Gill, Patricia A.		EMD Millipore Corp.	23-Feb-18
+L-111-13/0	Prokunina-Olsson, Ludmila		EMD Millipore Corp.	23-Feb-18
<i>Note: L-111-13/0 split between FDA; NCI</i>				
+L-041-98/2	Alimandi, Maurizio		Upstate Biotechnology, Incorporated	23-Feb-18
+L-041-98/2	Pierce, Jacalyn		Upstate Biotechnology, Incorporated	23-Feb-18

License	Inventor	Inventor Share %	Licensee	Date of Deposit	(b) (3) (A), (b) (4), (b) (6)
+L-041-98/2	Wang, Ling-Mei	(b)(4); (b)(6)	Upstate Biotechnology, Incorporated	23-Feb-18	
+L-144-00/1	Bonner, William M	(b)(4); (b)(6)	Upstate Biotechnology	23-Feb-18	
+L-144-00/1	Rogakou, Efthimia P	(b)(4); (b)(6)	Upstate Biotechnology	23-Feb-18	
+L-239-16/0	Bonomi, Carrie A.	(b)(4); (b)(6)	Alkermes, Inc.	23-Feb-18	
+L-239-16/0	Borgel, Suzanne D.	(b)(4); (b)(6)	Alkermes, Inc.	23-Feb-18	
+L-239-16/0	Dougherty, Kelly	(b)(4); (b)(6)	Alkermes, Inc.	23-Feb-18	
+L-239-16/0	Hollingshead, Melinda G.	(b)(4); (b)(6)	Alkermes, Inc.	23-Feb-18	
+L-164-13/1	NCI	(b)(4); (b)(6)	Aura Biosciences, Inc.	23-Feb-18	
+L-256-17/0	Bonomi, Carrie A.	(b)(4); (b)(6)	AbbVie	23-Feb-18	
+L-256-17/0	Borgel, Suzanne D.	(b)(4); (b)(6)	AbbVie	23-Feb-18	
+L-256-17/0	Dougherty, Kelly	(b)(4); (b)(6)	AbbVie	23-Feb-18	
+L-256-17/0	Hollingshead, Melinda G.	(b)(4); (b)(6)	AbbVie	23-Feb-18	
+L-249-14/0	Copeland, Neal	(b)(4); (b)(6)	Merck Sharp & Dohme Corp.	26-Feb-18	
+L-249-14/0	Costantino, Nina	(b)(4); (b)(6)	Merck Sharp & Dohme Corp.	26-Feb-18	
+L-249-14/0	Court, Donald	(b)(4); (b)(6)	Merck Sharp & Dohme Corp.	26-Feb-18	
+L-249-14/0	Ellis, Hilary Moyed	(b)(4); (b)(6)	Merck Sharp & Dohme Corp.	26-Feb-18	
+L-249-14/0	Jenkins Copeland, Nancy A	(b)(4); (b)(6)	Merck Sharp & Dohme Corp.	26-Feb-18	
+L-249-14/0	Lee, E-Chiang	(b)(4); (b)(6)	Merck Sharp & Dohme Corp.	26-Feb-18	
+L-249-14/0	Liu, Pentao	(b)(4); (b)(6)	Merck Sharp & Dohme Corp.	26-Feb-18	
+L-249-14/0	Sharan, Shyam K	(b)(4); (b)(6)	Merck Sharp & Dohme Corp.	26-Feb-18	
+L-249-14/0	Swaminathan, Srividya	(b)(4); (b)(6)	Merck Sharp & Dohme Corp.	26-Feb-18	
+L-249-14/0	Warming, Soren	(b)(4); (b)(6)	Merck Sharp & Dohme Corp.	26-Feb-18	
+L-249-14/0	Yu, Daiguan	(b)(4); (b)(6)	Merck Sharp & Dohme Corp.	26-Feb-18	
+L-271-01/7	Gupta, Shanker Lal	(b)(4); (b)(6)	Millennium Pharmaceuticals, Inc.	27-Feb-18	
+L-039-11/0	Onda, Masanori	(b)(4); (b)(6)	Rockland Immunochemicals, Inc.	27-Feb-18	
+L-039-11/0	Pastan, Ira H	(b)(4); (b)(6)	Rockland Immunochemicals, Inc.	27-Feb-18	

NIH Patent Licensing Activities
NCI
March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	Patent			License Cumulative Income	Inventor Awards March	Net Remaining to IC
					% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income			
+L-108-09/0	Conrads, Thomas P	(b)(4);	Beckman Coulter	1-Mar-18					(b) (3) (A), (b) (4), (b) (6)	
+L-108-09/0	Issaq, Haleem J.	(b)(6)	Beckman Coulter	1-Mar-18						
+L-108-09/0	Janini, George	(b)(6)	Beckman Coulter	1-Mar-18						
+L-108-09/0	Veenstra, Timothy D	(b)(6)	Beckman Coulter	1-Mar-18						
+L-108-09/0	Wilkins, Kenneth L.	(b)(6)	Beckman Coulter	1-Mar-18						
+L-001-08/1	Austin, Faye C.	(b)(6)	Cell Marque Corp	1-Mar-18						
+L-001-08/1	Colcher, David	(b)(6)	Cell Marque Corp	1-Mar-18						
+L-001-08/1	Hand, Patricia H	(b)(6)	Cell Marque Corp	1-Mar-18						
+L-001-08/1	Nuti, Marianna	(b)(6)	Cell Marque Corp	1-Mar-18						
+L-001-08/1	Schlom, Jeffrey	(b)(6)	Cell Marque Corp	1-Mar-18						
+L-002-04/1	Kawakami, Yutaka	(b)(6)	Cell Marque	1-Mar-18						
+L-002-04/1	Robbins, Paul F	(b)(6)	Cell Marque	1-Mar-18						
+L-002-04/1	Rosenberg, Steven A.	(b)(6)	Cell Marque	1-Mar-18						
+L-298-96/2	Greenstone, Heather L.	(b)(6)	Merck & Co., Inc.	1-Mar-18						

+L-298-96/2	Kirnbauer, Reinhard	(b)(4);	Merck & Co., Inc.	1-Mar-18
+L-298-96/2	Lowy, Douglas R.	(b)(6)	Merck & Co., Inc.	1-Mar-18
+L-298-96/2	Schiller, John T		Merck & Co., Inc.	1-Mar-18
+L-068-18/0	Bonomi, Carrie A.		Dicerna Pharmaceuticals	1-Mar-18
+L-068-18/0	Dougherty, Kelly		Dicerna Pharmaceuticals	1-Mar-18
+L-068-18/0	Hollingshead, Melinda G.		Dicerna Pharmaceuticals	1-Mar-18
+L-083-11/0	Waldmann, Thomas A.		Abbott Biotherapeutics Corp.	1-Mar-18
<i>Note: L-083-11/0 split between NCI; NINDS</i>				
+L-084-11/2	Gazdar, Adi F.		Nichirei Biosciences Inc	1-Mar-18
+L-084-11/2	Johnson, Bruce E		Nichirei Biosciences Inc	1-Mar-18
+L-084-11/2	Kaye, Frederic J		Nichirei Biosciences Inc	1-Mar-18
+L-084-11/2	Khleif, Samir N.		Nichirei Biosciences Inc	1-Mar-18
+L-084-11/2	Minna, John D.		Nichirei Biosciences Inc	1-Mar-18
+L-084-11/2	Oie, Herbert K		Nichirei Biosciences Inc	1-Mar-18
+L-084-11/2	Pass, Harvey I.		Nichirei Biosciences Inc	1-Mar-18
+L-122-17/0	Choyke, Peter L		Koninklijke Philips N.V.	1-Mar-18
+L-122-17/0	Pinto, Peter A		Koninklijke Philips N.V.	1-Mar-18
+L-122-17/0	Turkbey, Ismail B.		Koninklijke Philips N.V.	1-Mar-18
<i>Note: L-122-17/0 split between CC; NCI</i>				
+L-083-11/0	Waldmann, Thomas A.		Abbott Biotherapeutics Corp.	1-Mar-18
<i>Note: L-083-11/0 split between NCI; NINDS</i>				
+L-083-11/0	Waldmann, Thomas A.		Abbott Biotherapeutics Corp.	1-Mar-18
<i>Note: L-083-11/0 split between NCI; NINDS</i>				
+L-011-06/0	Barry, Todd		Dako Denmark A/S	1-Mar-18
+L-011-06/0	Rosenwald, Andreas		Dako Denmark A/S	1-Mar-18
+L-011-06/0	Staudt, Louis M		Dako Denmark A/S	1-Mar-18
+L-011-06/0	Wiestner, Adrian		Dako Denmark A/S	1-Mar-18
+L-011-06/0	Wilson, Wyndham H.		Dako Denmark A/S	1-Mar-18
+L-010-06/1	Potter, (b) (6) Michael		Dako Denmark A/S	1-Mar-18
+L-239-15/0	Gazdar, Adi F.		Dako North America	1-Mar-18
+L-239-15/0	Johnson, Bruce E		Dako North America	1-Mar-18
+L-239-15/0	Kaye, Frederic J		Dako North America	1-Mar-18
+L-239-15/0	Khleif, Samir N.		Dako North America	1-Mar-18
+L-239-15/0	Minna, John D.		Dako North America	1-Mar-18
+L-239-15/0	Oie, Herbert K		Dako North America	1-Mar-18
+L-239-15/0	Pass, Harvey I.		Dako North America	1-Mar-18
+L-239-15/0	Gazdar, Adi F.		Dako North America	1-Mar-18
+L-239-15/0	Johnson, Bruce E		Dako North America	1-Mar-18
+L-239-15/0	Kaye, Frederic J		Dako North America	1-Mar-18
+L-239-15/0	Khleif, Samir N.		Dako North America	1-Mar-18
+L-239-15/0	Minna, John D.		Dako North America	1-Mar-18
+L-239-15/0	Oie, Herbert K		Dako North America	1-Mar-18
+L-239-15/0	Pass, Harvey I.		Dako North America	1-Mar-18
+L-161-04/1	(b) (4)		SeraCare Life Sciences, Inc.	1-Mar-18
+L-161-04/1	Popovic, Mikulas		SeraCare Life Sciences, Inc.	1-Mar-18
+L-161-04/1	Sarngadharan, Mangalasseril		SeraCare Life Sciences, Inc.	1-Mar-18
+L-054-17/0	Barrett, J Carl		KeraFAST	1-Mar-18

+L-054-17/0	Custer, Mary	(b)(4);	KeraFAST	1-Mar-18	(b) (3) (A), (b) (4), (b) (6)
+L-054-17/0	Risinger, John	(b)(6)	KeraFAST	1-Mar-18	
+L-086-17/0	Rader, Christoph		KeraFAST	1-Mar-18	
+L-273-14/0	Chang, Nancy T.		Grifols Worldwide Operations Ltd.	1-Mar-18	
+L-273-14/0	Crowl, Robert		Grifols Worldwide Operations Ltd.	1-Mar-18	
+L-273-14/0	Fisher, Amanda G.		Grifols Worldwide Operations Ltd.	1-Mar-18	
+L-273-14/0	Hahn, Beatrice		Grifols Worldwide Operations Ltd.	1-Mar-18	
+L-273-14/0	Popovic, Mikulas		Grifols Worldwide Operations Ltd.	1-Mar-18	
+L-273-14/0	Reddy, E. Premkumar.		Grifols Worldwide Operations Ltd.	1-Mar-18	
+L-273-14/0	Sarnagadharan, Mangalasseril		Grifols Worldwide Operations Ltd.	1-Mar-18	
+L-273-14/0	Shaw, George M		Grifols Worldwide Operations Ltd.	1-Mar-18	
+L-093-10/1	Chang, Nancy T.		BioLytical Labs	2-Mar-18	
+L-093-10/1	Crowl, Robert		BioLytical Labs	2-Mar-18	
+L-093-10/1	Gallo, Robert C.		BioLytical Labs	2-Mar-18	
+L-093-10/1	(b) (4)		BioLytical Labs	2-Mar-18	
+L-093-10/1	Reddy, E. Premkumar.		BioLytical Labs	2-Mar-18	
+L-093-10/1	Shaw, George M		BioLytical Labs	2-Mar-18	
+L-093-10/1	Wong-Staal, Flossie		BioLytical Labs	2-Mar-18	
+L-077-18/0	Radmacher, Michael D		Nitto BioPharma	2-Mar-18	
+L-077-18/0	Simon, Richard		Nitto BioPharma	2-Mar-18	
+L-037-17/1	Esposito, Dominic		KeraFAST	2-Mar-18	
+L-037-17/1	Hopkins, Ralph F.		KeraFAST	2-Mar-18	
+L-039-17/0	Day, Chi-Ping		KeraFAST	2-Mar-18	
+L-039-17/0	Esposito, Dominic		KeraFAST	2-Mar-18	
+L-039-17/0	Merlino, Glenn T.		KeraFAST	2-Mar-18	
+L-192-15/1	Burgess, Rebecca C.		KeraFAST	2-Mar-18	
+L-192-15/1	Misteli, Thomas		KeraFAST	2-Mar-18	
+L-192-15/1	Roukos, Vasileios		KeraFAST	2-Mar-18	
+L-192-15/1	Soutoglou, Evi		KeraFAST	2-Mar-18	
+L-226-15/2	Hodge, James W.		KeraFAST	2-Mar-18	
+L-226-15/2	Schlom, Jeffrey		KeraFAST	2-Mar-18	
+L-261-17/0	Esposito, Dominic		KeraFAST	2-Mar-18	
+L-261-17/0	Gillette, William K.		KeraFAST	2-Mar-18	
+L-261-17/0	Grose, Carissa L.		KeraFAST	2-Mar-18	
+L-220-01/0	(b) (4)		Tibotec Pharm Ltd.	5-Mar-18	
+L-267-16/0	Gazdar, Adi F.		Enlibrium Inc.	5-Mar-18	
+L-267-16/0	Johnson, Bruce E		Enlibrium Inc.	5-Mar-18	
+L-267-16/0	Kaye, Frederic J		Enlibrium Inc.	5-Mar-18	
+L-267-16/0	Khleif, Samir N.		Enlibrium Inc.	5-Mar-18	
+L-267-16/0	Minna, John D.		Enlibrium Inc.	5-Mar-18	
+L-267-16/0	Oie, Herbert K		Enlibrium Inc.	5-Mar-18	
+L-267-16/0	Pass, Harvey I.		Enlibrium Inc.	5-Mar-18	
+L-154-97/2	Mason, Llewellyn H.		PharMingen, Inc.	6-Mar-18	
+L-154-97/2	Ortaldo, John R.		PharMingen, Inc.	6-Mar-18	
+L-097-00/2	Austin, Faye C.		BD Biosciences, PharMingen	6-Mar-18	
+L-097-00/2	Colcher, David		BD Biosciences, PharMingen	6-Mar-18	

+L-097-00/2	Hand, Patricia H	(b)(4);	BD Biosciences, PharMingen	6-Mar-18
+L-097-00/2	Nuti, Marianna	(b)(6)	BD Biosciences, PharMingen	6-Mar-18
+L-097-00/2	Schlom, Jeffrey		BD Biosciences, PharMingen	6-Mar-18
+L-100-12/1	Ise, Tomoko		BD Biosciences	6-Mar-18
+L-100-12/1	Nagata, Satoshi		BD Biosciences	6-Mar-18
+L-100-12/1	Pastan, Ira H		BD Biosciences	6-Mar-18
+L-076-16/0	Azimi, Nazli		BD Biosciences	6-Mar-18
+L-076-16/0	Dubois, Sigrid		BD Biosciences	6-Mar-18
+L-076-16/0	Goldman, Carolyn		BD Biosciences	6-Mar-18
+L-076-16/0	Lantz, Valerie A		BD Biosciences	6-Mar-18
+L-076-16/0	Mariner Kilbourne, Jennifer		BD Biosciences	6-Mar-18
+L-076-16/0	Waldmann, Thomas A.		BD Biosciences	6-Mar-18
+L-057-16/1	Hollingshead, Melinda G.		EMD Millipore Corporation	6-Mar-18
+L-057-16/1	Sausville, Edward		EMD Millipore Corporation	6-Mar-18
+L-057-16/1	Snader, Kenneth M		EMD Millipore Corporation	6-Mar-18
+L-057-16/1	Vishnuvajjala, B. Rao		EMD Millipore Corporation	6-Mar-18
+L-023-15/0	Gelboin, (b) (6) Harry		EMD Millipore Corp.	6-Mar-18
+L-023-15/0	Krausz, Kristopher W.		EMD Millipore Corp.	6-Mar-18
<i>Note: L-023-15/0 split between NCI; NIEHS</i>				
+L-015-11/0	Landry, Joseph W.		Millipore Corp	6-Mar-18
+L-015-11/0	Wu, Carl		Millipore Corp	6-Mar-18
+L-092-11/0	Giardina, Steven		EMD Chemicals Inc.	6-Mar-18
+L-092-11/0	Longo, Dan L		EMD Chemicals Inc.	6-Mar-18
+L-092-11/0	Varesio, Luigi		EMD Chemicals Inc.	6-Mar-18
+L-152-13/0	Doroshov, James H.		EMD Millipore Corp	6-Mar-18
+L-152-13/0	Jiang, Guojian		EMD Millipore Corp	6-Mar-18
+L-152-13/0	Roy, Krishnendu K.		EMD Millipore Corp	6-Mar-18
+L-152-13/0	Wu, Yongzhong		EMD Millipore Corp	6-Mar-18
+L-114-06/1	Azimi, Nazli		Affymetrix, Inc.	6-Mar-18
+L-114-06/1	Dubois, Sigrid		Affymetrix, Inc.	6-Mar-18
+L-114-06/1	Goldman, Carolyn		Affymetrix, Inc.	6-Mar-18
+L-114-06/1	Lantz, Valerie A		Affymetrix, Inc.	6-Mar-18
+L-114-06/1	Mariner Kilbourne, Jennifer		Affymetrix, Inc.	6-Mar-18
+L-114-06/1	Waldmann, Thomas A.		Affymetrix, Inc.	6-Mar-18
+L-049-00/1	Hathcock, Karen		eBioscience, Inc..	6-Mar-18
+L-049-00/1	Hodes, Richard		eBioscience, Inc..	6-Mar-18
+L-049-00/1	Laszlo, Gloria		eBioscience, Inc..	6-Mar-18
<i>Note: L-049-00/1 split between NCI; NIAID</i>				
+L-029-11/0	Colcher, David		eBioscience	6-Mar-18
+L-029-11/0	Hand, Patricia H		eBioscience	6-Mar-18
+L-029-11/0	Nuti, Marianna		eBioscience	6-Mar-18
+L-029-11/0	Schlom, Jeffrey		eBioscience	6-Mar-18
+L-091-04/1	Makrigiannis, Andrew P.		Ebioscience	6-Mar-18
+L-286-99/1	Klee, Claude		Upstqate Biotechnology	7-Mar-18
+L-286-99/1	Li, Shipeng		Upstqate Biotechnology	7-Mar-18
+L-286-99/1	Saddig, Christiane		Upstqate Biotechnology	7-Mar-18
+L-286-99/1	Stump, Ann		Upstqate Biotechnology	7-Mar-18

(b) (3) (A), (b) (4), (b) (6)

+L-144-00/1	Bonner, William M	(b)(4):	Upstate Biotechnology	7-Mar-18
+L-144-00/1	Rogakou, Eftimia P	(b)(6)	Upstate Biotechnology	7-Mar-18
+L-092-11/0	Giardina, Steven		EMD Chemicals Inc.	7-Mar-18
+L-092-11/0	Longo, Dan L		EMD Chemicals Inc.	7-Mar-18
+L-092-11/0	Varesio, Luigi		EMD Chemicals Inc.	7-Mar-18
+L-084-18/0	Bagni- Beyer, Rachel K.		Warp Drive Bio	8-Mar-18
+L-084-18/0	(b) (4)		Warp Drive Bio	8-Mar-18
+L-084-18/0	Holderfield, Matthew T.		Warp Drive Bio	8-Mar-18
+L-084-18/0	Soppet, Dan		Warp Drive Bio	8-Mar-18
+L-064-18/0	Bonomi, Carrie A.		Alderley Park Limited	8-Mar-18
+L-064-18/0	Borgel, Suzanne D.		Alderley Park Limited	8-Mar-18
+L-064-18/0	Dougherty, Kelly		Alderley Park Limited	8-Mar-18
+L-064-18/0	Hollingshead, Melinda G.		Alderley Park Limited	8-Mar-18
+L-091-10/0	Bonner, William M		Novus Biologicals, Inc.	8-Mar-18
+L-091-10/0	Rogakou, Eftimia P		Novus Biologicals, Inc.	8-Mar-18
+L-268-14/0	Bluestone, Jeffrey A		Novus Biologicals	8-Mar-18
+L-268-14/0	Leo, Oberdan		Novus Biologicals	8-Mar-18
+L-268-14/0	Vos, Michele		Novus Biologicals	8-Mar-18
+L-014-16/0	Hodge, James W.		Transgene SA	9-Mar-18
+L-014-16/0	Schlom, Jeffrey		Transgene SA	9-Mar-18
+L-015-84/8	Chang, Nancy T.		Abbott Laboratories	12-Mar-18
+L-015-84/8	Crowl, Robert		Abbott Laboratories	12-Mar-18
+L-015-84/8	Fisher, Amanda G.		Abbott Laboratories	12-Mar-18
+L-015-84/8	Hahn, Beatrice		Abbott Laboratories	12-Mar-18
+L-015-84/8	(b) (4)		Abbott Laboratories	12-Mar-18
+L-015-84/8	Popovic, Mikulas		Abbott Laboratories	12-Mar-18
+L-015-84/8	Reddy, E. Premkumar.		Abbott Laboratories	12-Mar-18
+L-015-84/8	Sarnagadharan, Mangalasseril		Abbott Laboratories	12-Mar-18
+L-015-84/8	Shaw, George M		Abbott Laboratories	12-Mar-18
+L-015-84/8	Wong-Staal, Flossie		Abbott Laboratories	12-Mar-18
+L-242-02/2	Kawakami, Yutaka		Biocare Medical, LLC	12-Mar-18
+L-242-02/2	Rosenberg, Steven A.		Biocare Medical, LLC	12-Mar-18
+L-021-18/0	Harris, Curtis C.		Epistem	13-Mar-18
+L-021-18/0	Reddel, Roger R.		Epistem	13-Mar-18
+L-021-18/0	Stoner, Gary		Epistem	13-Mar-18
+L-017-89/0	Aaronson, Stuart A.		Schering AG	13-Mar-18
+L-017-89/0	King, Charles R.		Schering AG	13-Mar-18
+L-017-89/0	Kraus, (b) (6) Matthias		Schering AG	13-Mar-18
+L-153-16/0	Gazdar, Adi F.		Bayer Pharma AG	13-Mar-18
+L-153-16/0	Johnson, Bruce E		Bayer Pharma AG	13-Mar-18
+L-153-16/0	Kaye, Frederic J		Bayer Pharma AG	13-Mar-18
+L-153-16/0	Khleif, Samir N.		Bayer Pharma AG	13-Mar-18
+L-153-16/0	Minna, John D.		Bayer Pharma AG	13-Mar-18
+L-153-16/0	Oie, Herbert K		Bayer Pharma AG	13-Mar-18
+L-153-16/0	Pass, Harvey I.		Bayer Pharma AG	13-Mar-18
+L-093-16/0	Esposito, Dominic		Lifer Technologies Corporation	13-Mar-18

(b) (3) (A), (b) (4), (b) (6)

+L-297-14/1	Gelboin, (b) (6) Harry	(b)(4);	CYP450-GP	13-Mar-18	(b) (3) (A), (b) (4), (b) (6)	
+L-297-14/1	Gonzalez, Frank J	(b)(6)	CYP450-GP	13-Mar-18		
+L-297-14/1	Krausz, Kristopher W.		CYP450-GP	13-Mar-18		
+L-232-14/0	NCI		NanoString Technologies, Inc.	14-Mar-18		
<i>Note: L-232-14/0 split between CIT; NCI</i>						
+L-115-95/2	NCI		MedImmune, Inc.	15-Mar-18		
+L-201-16/0	Chang, Nancy T.	(b)(4);	F. Hoffmann-La Roche Ltd	15-Mar-18		
+L-201-16/0	Crowl, Robert	(b)(6)	F. Hoffmann-La Roche Ltd	15-Mar-18		
+L-201-16/0	Fisher, Amanda G.		F. Hoffmann-La Roche Ltd	15-Mar-18		
+L-201-16/0	Hahn, Beatrice		F. Hoffmann-La Roche Ltd	15-Mar-18		
+L-201-16/0	Popovic, Mikulas		F. Hoffmann-La Roche Ltd	15-Mar-18		
+L-201-16/0	Reddy, E. Premkumar.		F. Hoffmann-La Roche Ltd	15-Mar-18		
+L-201-16/0	Sarnagadharan, Mangalasseril		F. Hoffmann-La Roche Ltd	15-Mar-18		
+L-201-16/0	Shaw, George M		F. Hoffmann-La Roche Ltd	15-Mar-18		
+L-245-94/1	Gallo, Robert C.		Boston Biomedics	16-Mar-18		
+L-245-94/1	(b) (4)		Boston Biomedics	16-Mar-18		
+L-245-94/1	Popovic, Mikulas		Boston Biomedics	16-Mar-18		
+L-245-94/1	Sarnagadharan, Mangalasseril		Boston Biomedics	16-Mar-18		
<i>Note: L-245-94/1 split between NCI; NIAID</i>						
+L-224-15/0	Kochenderfer, James N		Bluebird Bio	16-Mar-18		
+L-125-13/0	Gazdar, Adi F.		BioRad	16-Mar-18		
+L-125-13/0	Johnson, Bruce E		BioRad	16-Mar-18		
+L-125-13/0	Kaye, Frederic J		BioRad	16-Mar-18		
+L-125-13/0	Khleif, Samir N.		BioRad	16-Mar-18		
+L-125-13/0	Minna, John D.		BioRad	16-Mar-18		
+L-125-13/0	Oie, Herbert K		BioRad	16-Mar-18		
+L-125-13/0	Pass, Harvey I.		BioRad	16-Mar-18		
+L-361-98/2	Hamilton, Thomas C		BioProcessing, Inc.	16-Mar-18		
+L-361-98/2	Ozols, Robert F		BioProcessing, Inc.	16-Mar-18		
+L-089-16/2	NCI		H2Bio	16-Mar-18		
+L-025-07/0	Hollingshead, Melinda G.	(b)(4);	Tocris Bioscience	19-Mar-18		
+L-025-07/0	Sausville, Edward	(b)(6)	Tocris Bioscience	19-Mar-18		
+L-025-07/0	Snader, Kenneth M		Tocris Bioscience	19-Mar-18		
+L-025-07/0	Vishnuvajjala, B. Rao		Tocris Bioscience	19-Mar-18		
+L-265-02/0	Marquez, Victor E		Tocris Cookson, Ltd.	19-Mar-18		
<i>Note: L-265-02/0 split between NCI; NIDDK</i>						
+L-073-12/1	Gazdar, Adi F.		JANSSEN BIOTECH INC	20-Mar-18		
+L-073-12/1	Johnson, Bruce E		JANSSEN BIOTECH INC	20-Mar-18		
+L-073-12/1	Kaye, Frederic J		JANSSEN BIOTECH INC	20-Mar-18		
+L-073-12/1	Khleif, Samir N.		JANSSEN BIOTECH INC	20-Mar-18		
+L-073-12/1	Minna, John D.		JANSSEN BIOTECH INC	20-Mar-18		
+L-073-12/1	Oie, Herbert K		JANSSEN BIOTECH INC	20-Mar-18		
+L-073-12/1	Pass, Harvey I.		JANSSEN BIOTECH INC	20-Mar-18		
+L-130-16/0	Morgan, Richard A.		Five Prime Therapeutics, Inc	20-Mar-18		
+L-130-16/0	Robbins, Paul F		Five Prime Therapeutics, Inc	20-Mar-18		
+L-130-16/0	Rosenberg, Steven A.		Five Prime Therapeutics, Inc	20-Mar-18		

+L-045-08/1	Bonner, William M	(b)(4);	Active Motif	20-Mar-18
+L-045-08/1	Rogakou, Efthimia P	(b)(6)	Active Motif	20-Mar-18
+L-047-06/1	Crowl, Robert		Chembio Diagnostic Systems, Inc.	21-Mar-18
+L-047-06/1	Gallo, Robert C.		Chembio Diagnostic Systems, Inc.	21-Mar-18
+L-047-06/1	(b) (4)		Chembio Diagnostic Systems, Inc.	21-Mar-18
+L-047-06/1	Reddy, E. Premkumar.		Chembio Diagnostic Systems, Inc.	21-Mar-18
+L-047-06/1	Shaw, George M		Chembio Diagnostic Systems, Inc.	21-Mar-18
+L-047-06/1	Wong-Staal, Flossie		Chembio Diagnostic Systems, Inc.	21-Mar-18
+L-015-84/8	Chang, Nancy T.		Abbott Laboratories	21-Mar-18
+L-015-84/8	Crowl, Robert		Abbott Laboratories	21-Mar-18
+L-015-84/8	Fisher, Amanda G.		Abbott Laboratories	21-Mar-18
+L-015-84/8	Hahn, Beatrice		Abbott Laboratories	21-Mar-18
+L-015-84/8	(b) (4)		Abbott Laboratories	21-Mar-18
+L-015-84/8	Popovic, Mikulas		Abbott Laboratories	21-Mar-18
+L-015-84/8	Reddy, E. Premkumar.		Abbott Laboratories	21-Mar-18
+L-015-84/8	Sarnagadharan, Mangalasseril		Abbott Laboratories	21-Mar-18
+L-015-84/8	Shaw, George M		Abbott Laboratories	21-Mar-18
+L-015-84/8	Wong-Staal, Flossie		Abbott Laboratories	21-Mar-18
+L-183-99/0	Aaronson, Stuart A.		Vysis, Inc.	21-Mar-18
+L-183-99/0	King, Charles R.		Vysis, Inc.	21-Mar-18
+L-183-99/0	Kraus, (b) (6) Matthias		Vysis, Inc.	21-Mar-18
+L-252-17/0	Bonomi, Carrie A.		Champions Oncology, Inc.	21-Mar-18
+L-252-17/0	Borgel, Suzanne D.		Champions Oncology, Inc.	21-Mar-18
+L-252-17/0	Dougherty, Kelly		Champions Oncology, Inc.	21-Mar-18
+L-252-17/0	Hollingshead, Melinda G.		Champions Oncology, Inc.	21-Mar-18
+L-049-94/1	Cheng, Sheue-Yann		Affinity BioReagents	21-Mar-18
+L-012-04/0	Li, Chou Chi		Affinity Bioreagents Inc	21-Mar-18
+L-004-07/2	Qasba, Pradman		Life Technologies Corp.	21-Mar-18
+L-004-07/2	Ramakrishnan, Boopathy		Life Technologies Corp.	21-Mar-18
+L-206-16/0	Bonomi, Carrie A.		Ono Pharmaceutical Co., LTD	22-Mar-18
+L-206-16/0	Dougherty, Kelly		Ono Pharmaceutical Co., LTD	22-Mar-18
+L-206-16/0	Hollingshead, Melinda G.		Ono Pharmaceutical Co., LTD	22-Mar-18
+L-042-18/1	Rosenberg, Steven A.		Sapience Therapeutics	22-Mar-18
+L-042-18/1	Topalian, Suzanne L.		Sapience Therapeutics	22-Mar-18
+L-209-15/0	Gazdar, Adi F.		HistoCyte Laboratories	23-Mar-18
+L-209-15/0	Johnson, Bruce E		HistoCyte Laboratories	23-Mar-18
+L-209-15/0	Kaye, Frederic J		HistoCyte Laboratories	23-Mar-18
+L-209-15/0	Khleif, Samir N.		HistoCyte Laboratories	23-Mar-18
+L-209-15/0	Minna, John D.		HistoCyte Laboratories	23-Mar-18
+L-209-15/0	Oie, Herbert K		HistoCyte Laboratories	23-Mar-18
+L-209-15/0	Pass, Harvey I.		HistoCyte Laboratories	23-Mar-18
+L-192-15/1	Burgess, Rebecca C.		KeraFAST	23-Mar-18
+L-192-15/1	Misteli, Thomas		KeraFAST	23-Mar-18
+L-192-15/1	Roukos, Vasileios		KeraFAST	23-Mar-18
+L-192-15/1	Soutoglou, Evi		KeraFAST	23-Mar-18
+L-100-17/0	Bonomi, Carrie A.		Genmab, B.V.	26-Mar-18

+L-100-17/0	Borgel, Suzanne D.	(b)(4);	Genmab, B.V.	26-Mar-18
+L-100-17/0	Dougherty, Kelly	(b)(6)	Genmab, B.V.	26-Mar-18
+L-100-17/0	Hollingshead, Melinda G.		Genmab, B.V.	26-Mar-18
+L-266-00/0	Aaronson, Stuart A.		PeperoTech, Inc.	27-Mar-18
+L-266-00/0	Finch, Paul W.		PeperoTech, Inc.	27-Mar-18
+L-266-00/0	Rubin, Jeffrey S		PeperoTech, Inc.	27-Mar-18
+L-107-13/1	Beers, Richard		OPUS BIO INC	27-Mar-18
+L-107-13/1	Kreitman, Robert J		OPUS BIO INC	27-Mar-18
+L-107-13/1	Mackall, Crystal L		OPUS BIO INC	27-Mar-18
+L-107-13/1	Orentas, Rimas J.		OPUS BIO INC	27-Mar-18
+L-107-13/1	Pastan, Ira H		OPUS BIO INC	27-Mar-18
+L-107-13/1	Salvatore, Giuliana		OPUS BIO INC	27-Mar-18
+L-106-13/1	Dimitrov, Dimiter S.		Opus Bio, Inc.	27-Mar-18
+L-106-13/1	Mackall, Crystal L		Opus Bio, Inc.	27-Mar-18
+L-106-13/1	Orentas, Rimas J.		Opus Bio, Inc.	27-Mar-18
+L-106-13/1	Pastan, Ira H		Opus Bio, Inc.	27-Mar-18
+L-106-13/1	Xiao, Xiaodong		Opus Bio, Inc.	27-Mar-18
+L-331-17/0	NCI		Istari Oncology Inc	27-Mar-18
+L-013-08/3	Franchini, Genoveffa	(b)(4);	Grifols Therapeutics, Inc.	29-Mar-18
+L-013-08/3	Kalyanaraman, Vaniambadi S.	(b)(6)	Grifols Therapeutics, Inc.	29-Mar-18
+L-013-08/3	Markham, Phillip D.		Grifols Therapeutics, Inc.	29-Mar-18
+L-013-08/3	Salahuddin, Syed Z.		Grifols Therapeutics, Inc.	29-Mar-18
+L-032-16/0	NCI		Novartis International Pharmaceuticals L	29-Mar-18
+L-075-16/0	Fry, Terry	(b)(4);	Lentigen Corporation	29-Mar-18
+L-075-16/0	Qin, Haiying	(b)(6)	Lentigen Corporation	29-Mar-18
+L-075-16/0	Fry, Terry		Lentigen Corporation	29-Mar-18
+L-075-16/0	Qin, Haiying		Lentigen Corporation	29-Mar-18

(b) (3) (A), (b) (4), (b) (6)

\$49,436,027.67 \$1,174,154.97 \$50,610,182.64 \$15,945,810.81 \$34,664,371.83

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NEI
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
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NIH Patent Licensing Activities
NEI
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
+L-142-12/1	Csaky, Karl G	(b)(4)	Odin Biotech, LLC	27-Nov-17						(b) (3) (A), (b) (4), (b) (6)
+L-142-12/1	Ponce, Lourdes	(b)(6)	Odin Biotech, LLC	27-Nov-17						

Note: L-142-12/1 split between NEI; NIDCR

NIH Patent Licensing Activities
NEI
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
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NIH Patent Licensing Activities
NEI
January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-205-00/2	Becerra, Sofia P	(b)(4)	BioProducts MD, LLC	18-Jan-18						(b) (3) (A), (b) (4), (b) (6)
+L-205-00/2	Chader, Gerald J	(b)(6)	BioProducts MD, LLC	18-Jan-18						
+L-205-00/2	Rodriguez, Ignacio R		BioProducts MD, LLC	18-Jan-18						
+L-205-00/2	Steele, Fintan R.		BioProducts MD, LLC	18-Jan-18						
+L-205-00/2	Tombran-Tink, Joyce		BioProducts MD, LLC	18-Jan-18						
+L-205-00/2	(b) (4)		BioProducts MD, LLC	18-Jan-18						

Note: L-205-00/2 split between NEI; NINDS

+L-205-00/2 NEI BioProducts MD, LLC 18-Jan-18

Note: L-205-00/2 split between NEI; NINDS

NIH Patent Licensing Activities
NEI
February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-168-15/0	Li, Tiansen	(b)(4);	EMD Millipore Corp.	23-Feb-18						(b) (3) (A), (b) (4), (b) (6)
+L-168-15/0	Swaroop, Anand	(b)(6)	EMD Millipore Corp.	23-Feb-18						

NIH Patent Licensing Activities
NEI
March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-025-02/0	NEI		Chemicon International Inc	1-Mar-18						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-025-02/0 split between NEI; NINDS</i>										
+L-025-02/0	Becerra, Sofia P	(b)(4);	Chemicon International Inc	1-Mar-18						
+L-025-02/0	Chader, Gerald J	(b)(6)	Chemicon International Inc	1-Mar-18						
+L-025-02/0	Rodriguez, Ignacio R		Chemicon International Inc	1-Mar-18						
+L-025-02/0	Steele, Fintan R.		Chemicon International Inc	1-Mar-18						
+L-025-02/0	Tombran-Tink, Joyce		Chemicon International Inc	1-Mar-18						
+L-025-02/0	(b) (4)		Chemicon International Inc	1-Mar-18						
<i>Note: L-025-02/0 split between NEI; NINDS</i>										
+L-230-02/1	Bunce, George E.		Bausch & Lomb	1-Mar-18						
+L-230-02/1	Ferris III, Frederick L.		Bausch & Lomb	1-Mar-18						
+L-230-02/1	Kinoshita, (b) (6) Jin H		Bausch & Lomb	1-Mar-18						
+L-230-02/1	Smith, James Cecil		Bausch & Lomb	1-Mar-18						
+L-025-02/0	NEI		Chemicon International Inc	6-Mar-18						
<i>Note: L-025-02/0 split between NEI; NINDS</i>										
+L-025-02/0	Becerra, Sofia P	(b)(4);	Chemicon International Inc	6-Mar-18						
+L-025-02/0	Chader, Gerald J	(b)(6)	Chemicon International Inc	6-Mar-18						
+L-025-02/0	Rodriguez, Ignacio R		Chemicon International Inc	6-Mar-18						
+L-025-02/0	Steele, Fintan R.		Chemicon International Inc	6-Mar-18						
+L-025-02/0	Tombran-Tink, Joyce		Chemicon International Inc	6-Mar-18						
+L-025-02/0	(b) (4)		Chemicon International Inc	6-Mar-18						
<i>Note: L-025-02/0 split between NEI; NINDS</i>										

\$3 413 461.37	\$693.63	\$3 414 155.00	\$604 790.81	\$2 809 364.19
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+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NHGRI
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
+L-348-98/0	Meltzer, Paul	(b)(4);	GeneTex, Inc.	24-Oct-17						(b) (3) (A), (b) (4), (b) (6)
+L-348-98/0	Trent, Jeffrey	(b)(6)	GeneTex, Inc.	24-Oct-17						
+L-183-14/0	Gispert-Sanchez, Suzana		UCSF	24-Oct-17						
+L-183-14/0	Nussbaum, Robert L.		UCSF	24-Oct-17						

NIH Patent Licensing Activities
NHGRI
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
+L-055-15/0	NHGRI		Lysosomal Therapeutics, Inc.	7-Nov-17						(b) (3) (A), (b) (4)

Note: L-055-15/0 split between NCATS; NHGRI

NIH Patent Licensing Activities
NHGRI
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-186-16/0	Chandler, Randy J.	(b)(4);	Galyatech LLC	12-Dec-17						(b) (3) (A), (b) (4), (b) (6)
+L-186-16/0	Pavan, William J	(b)(6)	Galyatech LLC	12-Dec-17						
+L-186-16/0	Venditti, Charles P.		Galyatech LLC	12-Dec-17						
+L-216-17/0	Chandler, Randy J.		Select a Biosciences, Inc.	13-Dec-17						
+L-216-17/0	Venditti, Charles P.		Select a Biosciences, Inc.	13-Dec-17						
+L-006-09/1	Cheng, Jun		Novonordisk A/S	19-Dec-17						
+L-006-09/1	Schwartzberg, Pamela L.		Novonordisk A/S	19-Dec-17						

Note: L-006-09/1 split between NCI; NHGRI

+L-032-12/0	Auld, Douglas S.		Agios Pharmaceuticals Inc	21-Dec-17						
+L-032-12/0	Boxer, Matthew		Agios Pharmaceuticals Inc	21-Dec-17						
+L-032-12/0	Inglese, James		Agios Pharmaceuticals Inc	21-Dec-17						
+L-032-12/0	Jiang, Jian-kang		Agios Pharmaceuticals Inc	21-Dec-17						
+L-032-12/0	Shen, Min		Agios Pharmaceuticals Inc	21-Dec-17						
+L-032-12/0	Skoumbourdis, Amanda P.		Agios Pharmaceuticals Inc	21-Dec-17						
+L-032-12/0	Thomas, Craig J.		Agios Pharmaceuticals Inc	21-Dec-17						

Note: L-032-12/0 split between NCATS; NHGRI

NIH Patent Licensing Activities

NHGRI
January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-017-18/0	Chandler, Randy J.	(b)(4);	Selecta Biosciences, Inc.	8-Jan-18						(b) (3) (A), (b) (4), (b) (6)
+L-017-18/0	Manoli, Irini	(b)(6)	Selecta Biosciences, Inc.	8-Jan-18						
+L-017-18/0	Venditti, Charles P.		Selecta Biosciences, Inc.	8-Jan-18						
+L-153-17/0	Chandler, Randy J.		LogicBio Therapeutics, Inc.	11-Jan-18						
+L-153-17/0	Manoli, Irini		LogicBio Therapeutics, Inc.	11-Jan-18						
+L-153-17/0	Venditti, Charles P.		LogicBio Therapeutics, Inc.	11-Jan-18						
+L-244-17/0	Chandler, Randy J.		Logic Bio Therapeutics, Inc.	11-Jan-18						
+L-244-17/0	Venditti, Charles P.		Logic Bio Therapeutics, Inc.	11-Jan-18						
+L-243-17/0	Chandler, Randy J.		Logic Bio Therapeutics, Inc.	11-Jan-18						
+L-243-17/0	Venditti, Charles P.		Logic Bio Therapeutics, Inc.	11-Jan-18						
+L-096-11/0	Kallioniemi, Olli P		Integrated Systems Engineering SR	16-Jan-18						
+L-096-11/0	Kononen, Juha		Integrated Systems Engineering SR	16-Jan-18						
+L-096-11/0	Leighton, Stephen		Integrated Systems Engineering SR	16-Jan-18						
+L-053-08/0	Meltzer, Paul		Santa Cruz Biotechnology Inc	25-Jan-18						
+L-053-08/0	Trent, Jeffrey		Santa Cruz Biotechnology Inc	25-Jan-18						

NIH Patent Licensing Activities
NHGRI
February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-348-98/0	Meltzer, Paul	(b)(4);	GeneTex, Inc.	1-Feb-18						(b) (3) (A), (b) (4), (b) (6)
+L-348-98/0	Trent, Jeffrey	(b)(6)	GeneTex, Inc.	1-Feb-18						
+L-049-14/0	NHGRI		Rockefeller University	6-Feb-18						

Note: L-049-14/0 split between NCATS; NHGRI

NIH Patent Licensing Activities
NHGRI
March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-116-13/0	NHGRI		EMD Millipore Corp.	6-Mar-18						(b) (3) (A), (b) (4)

Note: L-116-13/0 split between NCATS; NHGRI

+L-116-13/0	NHGRI		EMD Millipore Corp.	7-Mar-18						
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Note: L-116-13/0 split between NCATS; NHGRI

+L-055-15/0	Goldin, Ehud M.	(b)(4);	Lysosomal Therapeutics, Inc.	9-Mar-18
+L-055-15/0	Motabar, Omid	(b)(6)	Lysosomal Therapeutics, Inc.	9-Mar-18
+L-055-15/0	Sidransky, Ellen		Lysosomal Therapeutics, Inc.	9-Mar-18
+L-055-15/0	Westbroek, Wendy		Lysosomal Therapeutics, Inc.	9-Mar-18
<i>Note: L-055-15/0 split between NCATS; NHGRI</i>				
+L-055-15/0	NHGRI		Lysosomal Therapeutics, Inc.	9-Mar-18
<i>Note: L-055-15/0 split between NCATS; NHGRI</i>				
+L-134-15/0	NHGRI		Subrimed, Inc	14-Mar-18
<i>Note: L-134-15/0 split between NCATS; NHGRI</i>				
+L-205-98/0	Meltzer, Paul	(b)(4);	Affinity BioReagents	21-Mar-18
+L-205-98/0	Trent, Jeffrey	(b)(6)	Affinity BioReagents	21-Mar-18
+L-149-16/0	Chandler, Randy J.		Mordena Therapeutics, Inc	28-Mar-18
+L-149-16/0	Manoli, Irini		Mordena Therapeutics, Inc	28-Mar-18
+L-149-16/0	Venditti, Charles P.		Mordena Therapeutics, Inc	28-Mar-18

(b) (3) (A), (b) (4), (b) (6)

\$129,657.15	\$45,119.56	\$174,776.71	\$39,317.03	\$135,459.68
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+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NHLBI
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
+L-097-08/3	Knepper, Mark A	(b)(4); (b)(6)	Novus Biologicals Inc	2-Oct-17						(b) (3) (A), (b) (4), (b) (6)
+L-294-17/0	Kotin, Robert M.		CELiD Biotechnologies, Inc.	6-Oct-17						
+L-294-17/0	Li, Lina		CELiD Biotechnologies, Inc.	6-Oct-17						
+L-295-17/0	Ding, Chuan-Tian		CELiD Biotechnologies, Inc	8-Oct-17						
+L-295-17/0	Kotin, Robert M.		CELiD Biotechnologies, Inc	8-Oct-17						
+L-295-17/0	Urabe, Masashi		CELiD Biotechnologies, Inc	8-Oct-17						
+L-187-14/0	NHLBI		Andor Technology PLC	11-Oct-17						
<i>Note: L-187-14/0 split between NHLBI; NIBIB</i>										
+L-151-08/0	Brewer, H. Bryan	(b)(4); (b)(6)	AlphaCore Pharma LLC	24-Oct-17						
+L-151-08/0	Hoeg, Nancy		AlphaCore Pharma LLC	24-Oct-17						
+L-151-08/0	Santamarina-Fojo, Silvia		AlphaCore Pharma LLC	24-Oct-17						
+L-151-08/0	NHLBI		AlphaCore Pharma LLC	24-Oct-17						

NIH Patent Licensing Activities
NHLBI
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
+L-042-06/2	NHLBI		Siemens AG, Med. Solutions	14-Nov-17						(b) (3) (A), (b) (4), (b) (6)
+L-120-12/2	NHLBI		Sangamo Biosciences	20-Nov-17						
+L-096-16/0	Finkel, Toren	(b)(4); (b)(6)	Genentech, Inc.	21-Nov-17						
+L-074-12/0	Chiorini, John A.		Vector BioLabs-TGDC	21-Nov-17						
+L-074-12/0	Kotin, Robert M.		Vector BioLabs-TGDC	21-Nov-17						
+L-002-14/0	NHLBI		Intelligent Imaging Innovations, Inc.	21-Nov-17						
<i>Note: L-002-14/0 split between NHLBI; NIBIB</i>										

NIH Patent Licensing Activities
NHLBI
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-088-12/0	NHLBI		Sangamo BioSciences Inc	4-Dec-17						(b) (3) (A), (b) (4)
<i>Note: L-088-12/0 split between NHLBI; NIDCR</i>										

+L-159-07/2	Cannon, Richard O.	(b)(4);	Hope Pharmaceuticals	5-Dec-17
+L-159-07/2	Gladwin, Mark T.	(b)(6)	Hope Pharmaceuticals	5-Dec-17
+L-159-07/2	Hunter, Christian J		Hope Pharmaceuticals	5-Dec-17
+L-159-07/2	(b) (4)		Hope Pharmaceuticals	5-Dec-17
+L-159-07/2	(b) (4)		Hope Pharmaceuticals	5-Dec-17
+L-159-07/2	(b) (4)		Hope Pharmaceuticals	5-Dec-17
+L-159-07/2	(b) (4)		Hope Pharmaceuticals	5-Dec-17
<i>Note: L-159-07/2 split between CC; NHLBI; NIDDK; NINDS</i>				
+L-143-07/2	Cannon, Richard O.		Hope Pharmaceuticals	5-Dec-17
<i>Note: L-143-07/2 split between CC; NHLBI; NIDDK</i>				
+L-243-16/0	Boehm, Manfred		StemCell Technologies Inc.	6-Dec-17
+L-243-16/0	Chen, Guibin		StemCell Technologies Inc.	6-Dec-17
+L-243-16/0	Larochelle, Andre		StemCell Technologies Inc.	6-Dec-17
<i>Note: L-243-16/0 split between NHLBI; NIAMS</i>				
+L-243-16/0	NHLBI		StemCell Technologies Inc.	6-Dec-17
<i>Note: L-243-16/0 split between NHLBI; NIAMS</i>				
+L-116-11/3	Chiorini, John A.	(b)(4);	uniQure B.V.	6-Dec-17
+L-116-11/3	Kotin, Robert M.	(b)(6)	uniQure B.V.	6-Dec-17
+L-116-11/3	(b) (4)		uniQure B.V.	6-Dec-17
<i>Note: L-116-11/3 split between NHLBI; NIDCR</i>				
+L-107-07/3	Ding, Chuantian		UniQure B.V.	6-Dec-17
+L-107-07/3	Kotin, Robert M.		UniQure B.V.	6-Dec-17
+L-107-07/3	Urabe, Masashi		UniQure B.V.	6-Dec-17
+L-021-09/0	Chiorini, John A.		Arthrogen BV	8-Dec-17
+L-021-09/0	Kotin, Robert M.		Arthrogen BV	8-Dec-17
+L-200-17/0	Ding, Chuantian		Homology Medicines, Inc.	12-Dec-17
+L-200-17/0	Kotin, Robert M.		Homology Medicines, Inc.	12-Dec-17
+L-200-17/0	Urabe, Masashi		Homology Medicines, Inc.	12-Dec-17
+L-069-09/0	NHLBI		Surgivision Inc	19-Dec-17
+L-120-12/2	Ding, Chuantian	(b)(4);	Sangamo Biosciences	20-Dec-17
+L-120-12/2	Kotin, Robert M.	(b)(6)	Sangamo Biosciences	20-Dec-17
+L-120-12/2	Urabe, Masashi		Sangamo Biosciences	20-Dec-17
+L-170-15/0	Chiorini, John A.		BioMarin Pharmaceuticals, Inc.	22-Dec-17
+L-170-15/0	Kotin, Robert M.		BioMarin Pharmaceuticals, Inc.	22-Dec-17
+L-008-18/0	Leonard, Warren J.		Homology Medicines, Inc.	26-Dec-17
<i>Note: L-008-18/0 split between NHLBI; NICHD</i>				
+L-353-14/0	Chiorini, John A.		Takara Bio. Inc.	26-Dec-17
+L-353-14/0	Kotin, Robert M.		Takara Bio. Inc.	26-Dec-17
+L-209-17/0	(b) (4)		General Electric Co.	28-Dec-17
+L-209-17/0	(b) (4)		General Electric Co.	28-Dec-17
+L-209-17/0	Nezafat, Reza		General Electric Co.	28-Dec-17

(b) (3) (A), (b) (4), (b) (6)

(b) (3) (A), (b) (4), (b) (6)

+L-051-08/0	Adelstein, Robert	(b)(4);	ovance	28-Dec-17
+L-051-08/0	Salmon, Mary A.	(b)(6)	ovance	28-Dec-17
+L-246-14/1	Nirenberg, (b) (6) Marshall		IOLEGEND	28-Dec-17
+L-246-14/1	Walsh, Frank		IOLEGEND	28-Dec-17
<i>Note: L-246-14/1 split between NHLBI; NIAID</i>				
+L-120-12/2	Ding, Chuantian		angamo Biosciences	28-Dec-17
+L-120-12/2	Kotin, Robert M.		angamo Biosciences	28-Dec-17
+L-120-12/2	Urabe, Masashi		angamo Biosciences	28-Dec-17

NIH Patent Licensing Activities
NHLBI
January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-029-12/0	Derbyshire, John Andrew	(b)(4);	Koninklijke Philips Electronics NV	1-Jan-18						(b) (3) (A), (b) (4), (b) (6)
+L-029-12/0	(b) (4)	(b)(6)	Koninklijke Philips Electronics NV	1-Jan-18						
+L-029-12/0	McVeigh, Elliott R		Koninklijke Philips Electronics NV	1-Jan-18						
+L-029-12/0	Nezafat, Reza		Koninklijke Philips Electronics NV	1-Jan-18						
+L-015-12/1	Berra, Lorenzo		EndOclear LLC	1-Jan-18						
+L-015-12/1	Kolobow, Theodor		EndOclear LLC	1-Jan-18						
+L-014-18/0	Chiorini, John A.		Lacerta Therapeutics, Inc.	3-Jan-18						
+L-014-18/0	Kotin, Robert M.		Lacerta Therapeutics, Inc.	3-Jan-18						
+L-014-18/0	Chiorini, John A.		Lacerta Therapeutics, Inc.	3-Jan-18						
+L-014-18/0	Kotin, Robert M.		Lacerta Therapeutics, Inc.	3-Jan-18						
+L-327-14/0	Ding, Chuantian		Voyager Therapeutics	3-Jan-18						
+L-327-14/0	Kotin, Robert M.		Voyager Therapeutics	3-Jan-18						
+L-327-14/0	Smith, Richard H.		Voyager Therapeutics	3-Jan-18						
+L-327-14/0	Urabe, Masashi		Voyager Therapeutics	3-Jan-18						
+L-105-12/0	Ding, Chuantian		Genethon	3-Jan-18						
+L-105-12/0	Kotin, Robert M.		Genethon	3-Jan-18						
+L-105-12/0	Urabe, Masashi		Genethon	3-Jan-18						
+L-010-14/0	Cecchini, Sylvain		Life Technology Corp. (BAC BV)	3-Jan-18						
+L-010-14/0	Kotin, Robert M.		Life Technology Corp. (BAC BV)	3-Jan-18						
+L-010-14/0	Smith, Richard H.		Life Technology Corp. (BAC BV)	3-Jan-18						
+L-159-07/2	NHLBI		Hope Pharmaceuticals	3-Jan-18						
<i>Note: L-159-07/2 split between CC; NHLBI; NIDDK; NINDS</i>										
+L-158-17/0	Yang, Yanqin	(b)(4);	Mokobio Life Science Group, Inc.	3-Jan-18						
+L-158-17/0	Zhu, Jun	(b)(6)	Mokobio Life Science Group, Inc.	3-Jan-18						
<i>Note: L-158-17/0 split between NCI; NHLBI</i>										
+L-209-17/0	(b) (4)		General Electric Co.	3-Jan-18						

+L-209-17/0	(b) (4)	(b)(4);	General Electric Co.	3-Jan-18
+L-209-17/0	Nezafat, Reza	(b)(6)	General Electric Co.	3-Jan-18
+L-209-17/0	(b) (4)		General Electric Co.	3-Jan-18
+L-209-17/0	(b) (4)		General Electric Co.	3-Jan-18
+L-209-17/0	Nezafat, Reza		General Electric Co.	3-Jan-18
+L-314-14/1	Bumb, Ambika		Bikanta Corporation	8-Jan-18
+L-314-14/1	Hong, Jennifer		Bikanta Corporation	8-Jan-18
+L-314-14/1	Neuman, Keir C.		Bikanta Corporation	8-Jan-18
+L-314-14/1	Sarkar, Susanta K.		Bikanta Corporation	8-Jan-18
+L-314-14/1	Wen, Han		Bikanta Corporation	8-Jan-18
<i>Note: L-314-14/1 split between NCI; NHLBI</i>				
+L-097-08/3	Knepper, Mark A		Novus Biologicals Inc	11-Jan-18
+L-116-11/3	NHLBI		uniQure B.V.	12-Jan-18
<i>Note: L-116-11/3 split between NHLBI; NIDCR</i>				
+L-125-12/0	Nirenberg, (b) (6) Marshall	(b)(4);	BD Biosciences	17-Jan-18
+L-125-12/0	Walsh, Frank	(b)(6)	BD Biosciences	17-Jan-18
<i>Note: L-125-12/0 split between NHLBI; NIAID</i>				



(b) (3) (A), (b) (4), (b) (6)

**NIH Patent Licensing Activities
NHLBI
February 2018**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-181-17/0	Ding, Chuan-Tian	(b)(4);	Laboratorios del Dr. Esteve, S A.U.	1-Feb-18						(b) (3) (A), (b) (4), (b) (6)
+L-181-17/0	Kotin, Robert M.	(b)(6)	Laboratorios del Dr. Esteve, S A.U.	1-Feb-18						
+L-181-17/0	Urabe, Masashi		Laboratorios del Dr. Esteve, S A.U.	1-Feb-18						
+L-022-07/1	Ding, Chuantian		Applied Viromics, LLC	1-Feb-18						
+L-022-07/1	Kotin, Robert M.		Applied Viromics, LLC	1-Feb-18						
+L-022-07/1	Urabe, Masashi		Applied Viromics, LLC	1-Feb-18						
+L-170-15/0	NHLBI		BioMarin Pharmaceuticals, Inc.	5-Feb-18						
+L-087-11/0	Nirenberg, (b) (6) Marshall	(b)(4);	Cell Signaling Technology Inc	6-Feb-18						
+L-087-11/0	Walsh, Frank	(b)(6)	Cell Signaling Technology Inc	6-Feb-18						
<i>Note: L-087-11/0 split between NHLBI; NIAID</i>										
+L-187-14/0	Combs, Christian A.		Andor Technology PLC	8-Feb-18						
<i>Note: L-187-14/0 split between NHLBI; NIBIB</i>										
+L-029-18/0	Ding, Chuan-Tian		Abeona Therapeutics Inc.	9-Feb-18						
+L-029-18/0	Kotin, Robert M.		Abeona Therapeutics Inc.	9-Feb-18						
+L-029-18/0	Urabe, Masashi		Abeona Therapeutics Inc.	9-Feb-18						
+L-029-18/0	Ding, Chuan-Tian		Abeona Therapeutics Inc.	9-Feb-18						
+L-029-18/0	Kotin, Robert M.		Abeona Therapeutics Inc.	9-Feb-18						
+L-029-18/0	Urabe, Masashi		Abeona Therapeutics Inc.	9-Feb-18						

(b) (3) (A), (b) (4), (b) (6)

+L-243-16/0	Boehm, Manfred	(b)(4);	StemCell Technologies Inc.	14-Feb-18
+L-243-16/0	Chen, Guibin	(b)(6)	StemCell Technologies Inc.	14-Feb-18
+L-243-16/0	Larochelle, Andre		StemCell Technologies Inc.	14-Feb-18
<i>Note: L-243-16/0 split between NHLBI; NIAMS</i>				
+L-228-96/2	Adelstein, Robert		Covance Research Products, Inc.	14-Feb-18
+L-228-96/2	Kelley, Christine A		Covance Research Products, Inc.	14-Feb-18
+L-044-08/0	Nirenberg, (b) (6) Marshall		Miltenyi Biotec GMBH	15-Feb-18
+L-044-08/0	Walsh, Frank		Miltenyi Biotec GMBH	15-Feb-18
<i>Note: L-044-08/0 split between NHLBI; NIAID</i>				
+L-256-14/0	Combs, Christian A.		VisiTech International	15-Feb-18
<i>Note: L-256-14/0 split between NHLBI; NIBIB</i>				
+L-124-17/0	Kotin, Robert M.		Torus Therapeutics, Inc.	16-Feb-18
+L-124-17/0	Li, Lina		Torus Therapeutics, Inc.	16-Feb-18
+L-008-18/0	Leonard, Warren J.		Homology Medicines, Inc.	16-Feb-18
<i>Note: L-008-18/0 split between NHLBI; NICHD</i>				
+L-138-10/0	Adelstein, Robert		Millipore Corp	23-Feb-18
+L-138-10/0	Kawamoto, Sachiyo		Millipore Corp	23-Feb-18
+L-138-10/0	Kim, Kee Kwang		Millipore Corp	23-Feb-18
+L-353-14/0	Chiorini, John A.		Takara Bio. Inc.	26-Feb-18
+L-353-14/0	Kotin, Robert M.		Takara Bio. Inc.	26-Feb-18
+L-248-14/0	Chiorini, John A.		Applied Genetic Technologies Corp	27-Feb-18
+L-248-14/0	Kotin, Robert M.		Applied Genetic Technologies Corp	27-Feb-18
+L-074-12/0	Chiorini, John A.		Vector BioLabs-TGDC	27-Feb-18
+L-074-12/0	Kotin, Robert M.		Vector BioLabs-TGDC	27-Feb-18

NIH Patent Licensing Activities

NHLBI

March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	License			Inventor Awards March	Net Remaining to IC
					% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income		
+L-029-12/0	Derbyshire, John Andrew	(b)(4);	Koninklijke Philips Electronics NV	1-Mar-18					(b) (3) (A), (b) (4), (b) (6)
+L-029-12/0	(b) (4)	(b)(6)	Koninklijke Philips Electronics NV	1-Mar-18					
+L-029-12/0	McVeigh, Elliott R		Koninklijke Philips Electronics NV	1-Mar-18					
+L-029-12/0	Nezafat, Reza		Koninklijke Philips Electronics NV	1-Mar-18					
+L-070-17/0	Wong, Susan		KeraFAST	2-Mar-18					
+L-070-17/0	Young, Neal S.		KeraFAST	2-Mar-18					
+L-070-17/0	Zhi, Ning		KeraFAST	2-Mar-18					
+L-120-97/2	Lee, Seung-Rock		Upstate	7-Mar-18					
+L-120-97/2	Rhee, Sue Goo		Upstate	7-Mar-18					

+L-081-96/1	Crystal, Ronald G	(b)(4); (b)(6)	Transgene S.A.	9-Mar-18	(b) (3) (A), (b) (4), (b) (6)
+L-010-14/0	Cecchini, Sylvain	(b)(4); (b)(6)	Life Technology Corp. (BAC BV)	13-Mar-18	
+L-010-14/0	Kotin, Robert M.		Life Technology Corp. (BAC BV)	13-Mar-18	
+L-010-14/0	Smith, Richard H.		Life Technology Corp. (BAC BV)	13-Mar-18	
+L-077-04/5	Ding, Chuantian	(b)(4); (b)(6)	Boeringer Ingelheim Pharma	16-Mar-18	
+L-077-04/5	Kotin, Robert M.		Boeringer Ingelheim Pharma	16-Mar-18	
+L-077-04/5	Smith, Richard H.		Boeringer Ingelheim Pharma	16-Mar-18	
+L-077-04/5	Urabe, Masashi		Boeringer Ingelheim Pharma	16-Mar-18	
+L-097-08/3	Knepper, Mark A	(b)(4); (b)(6)	Novus Biologicals Inc	19-Mar-18	
+L-021-09/0	NHLBI	(b)(4); (b)(6)	Arthrogen BV	22-Mar-18	
+L-209-17/0	(b) (4)	(b)(4);	General Electric Co.	28-Mar-18	
+L-209-17/0	(b) (4)	(b)(6)	General Electric Co.	28-Mar-18	
+L-209-17/0	Nezafat, Reza	(b)(4); (b)(6)	General Electric Co.	28-Mar-18	

\$600,914.71	\$58,217.32	\$659,132.03	\$256,946.00	\$402,186.03
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+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIA
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann.	Patent	Total October	License	Inventor Awards	Net Remaining to
					Min./Exec. Fee	Prosecution Costs	Income	Cumulative Income		
+L-074-07/0	Ko, Minoru S.	(b)(4);	Johns Hopkins University	26-Sep-17						(b) (3) (A), (b) (4), (b) (6)
+L-074-07/0	Longo, Dan L.	(b)(6)	Johns Hopkins University	26-Sep-17						
+L-025-17/1	Moaddel, Ruin		Tocris Bioscience	26-Sep-17						
<i>Note: L-025-17/1 split between NCATS; NIA; NIMH</i>										
+L-326-17/0	Arya, Bira		VeriLuce Therapeutics	20-Oct-17						
+L-326-17/0	Espinoza, Juan C.		VeriLuce Therapeutics	20-Oct-17						
+L-326-17/0	Olkhanud, Purevdorj B.		VeriLuce Therapeutics	20-Oct-17						

NIH Patent Licensing Activities
NIA
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann.	Patent	Total November	License	Inventor Awards	Net Remaining to
					Min./Exec. Fee	Prosecution Costs	Income	Cumulative Income		
+L-117-95/2	Hodes, Richard	(b)(4);	Southern Biotechnology Associates, Inc.	16-Nov-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-117-95/2 split between NCI; NIA</i>										
+L-277-00/1	NIA		Amylin Pharma.	22-Nov-17						
+L-310-98/0	Pitha, Josef	(b)(4); (b)(6)	Jurox Pty. Limited	22-Nov-17						

NIH Patent Licensing Activities
NIA
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann.	Patent	Total December	License	Inventor Awards	Net Remaining to
					Min./Exec. Fee	Prosecution Costs	Income	Cumulative Income		
+L-025-17/1	Moaddel, Ruin	(b)(4); (b)(6)	Tocris Bioscience	1-Dec-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-025-17/1 split between NCATS; NIA; NIMH</i>										
+L-166-16/0	Falco, Geppino		Elixigen, LLC	4-Dec-17						
+L-166-16/0	Ko, Minoru S.		Elixigen, LLC	4-Dec-17						
+L-166-16/0	Lee, Sung-Lim		Elixigen, LLC	4-Dec-17						
+L-166-16/0	Monti, Manuela		Elixigen, LLC	4-Dec-17						
+L-166-16/0	Sharova, Lioudmila V.		Elixigen, LLC	4-Dec-17						
+L-166-16/0	Stanghellini, Ilaria		Elixigen, LLC	4-Dec-17						
+L-166-16/0	Zalzman, Michal		Elixigen, LLC	4-Dec-17						
+L-310-98/0	Pitha, Josef		Jurox Pty. Limited	18-Dec-17						
+L-079-17/0	Matarin Jimenez, Maria Del Mar		VuEssence, Inc.	19-Dec-17						
+L-079-17/0	Singleton, Andrew B.		VuEssence, Inc.	19-Dec-17						
<i>Note: L-079-17/0 split between NIA; NINDS; NINR</i>										

NIH Patent Licensing Activities
NIA
January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-328-14/0	NIA		Novo Nordisk A/S	10-Jan-18						(b) (3) (A), (b) (4), (b) (6)
+L-328-14/0	Doyle, Maire E	(b)(4);	Novo Nordisk A/S	10-Jan-18						
+L-328-14/0	Egan, Josephine M	(b)(6)	Novo Nordisk A/S	10-Jan-18						
+L-328-14/0	Greig, Nigel H		Novo Nordisk A/S	10-Jan-18						
+L-328-14/0	Holloway, Harold		Novo Nordisk A/S	10-Jan-18						
+L-328-14/0	Perry, Tracy Ann		Novo Nordisk A/S	10-Jan-18						
+L-277-00/1	Egan, Josephine M		Amylin Pharma.	17-Jan-18						
+L-277-00/1	Greig, Nigel H		Amylin Pharma.	17-Jan-18						
+L-277-00/1	Holloway, Harold		Amylin Pharma.	17-Jan-18						
+L-277-00/1	(b) (4)		Amylin Pharma.	17-Jan-18						
+L-277-00/1	Passanti, Antonio		Amylin Pharma.	17-Jan-18						
+L-277-00/1	Perfetti, Riccardo		Amylin Pharma.	17-Jan-18						

NIH Patent Licensing Activities
NIA
February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-132-17/0	Matarin Jimenez, Maria Del Mar	(b)(4);	ereDx Inc.	21-Feb-18						(b) (3) (A), (b) (4), (b) (6)
+L-132-17/0	Singleton, Andrew B.	(b)(6)	ereDx Inc.	21-Feb-18						
<i>Note: L-132-17/0 split between NIA; NINDS; NINR</i>										
+L-132-17/0	NIA		CereDx Inc.	21-Feb-18						
<i>Note: L-132-17/0 split between NIA; NINDS; NINR</i>										
+L-310-98/0	Pitha, Josef	(b)(4); (b)	Jurox Pty. Limited	23-Feb-18						

NIH Patent Licensing Activities
NIA
March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-160-07/0	Shin, Soojung	(b)(4);	Invitrogen Corp.	21-Mar-18						(b) (3) (A), (b) (4), (b) (6)
					\$113 418.69	\$29 071.77	\$142 490.46		\$31 846.92	\$110 643 54

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities

NIAAA

October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
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NIH Patent Licensing Activities

NIAAA

November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
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NIH Patent Licensing Activities

NIAAA

December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
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NIH Patent Licensing Activities

NIAAA

January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
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NIH Patent Licensing Activities

NIAAA

February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
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+L-222-16/0	Veech, Richard L.	(b)(4); (b)(6)	DELTA5 Limited	1-Feb-18						(b) (3) (A), (b) (4), (b) (6)
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NIH Patent Licensing Activities

NIAAA

March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-194-05/1	Kunos, George I	(b)(4); (b)(6)	Tocris Bioscience	19-Mar-18						(b) (3) (A), (b) (4), (b) (6)

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
 NIAID
 October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
+L-068-04/2	Moss, Bernard	(b)(4);	Jennerex, LLC	19-Sep-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-068-04/2 split between NCI; NIAID</i>										
+L-001-15/2	NIAID		Merck Sharp & Dohme, Corp.	19-Sep-17						
<i>Note: L-001-15/2 split between FDA; NIAID</i>										
+L-068-04/2	NIAID		Jennerex, LLC	19-Sep-17						
<i>Note: L-068-04/2 split between NCI; NIAID</i>										
+L-217-17/0	Earl, Patricia L.	(b)(4);	GeoVax, Inc	19-Sep-17						
+L-217-17/0	Moss, Bernard	(b)(6)	GeoVax, Inc	19-Sep-17						
+L-217-17/0	Wyatt, Linda S.		GeoVax, Inc	19-Sep-17						
+L-019-08/0	Schubert, Ulrich K		Institut Pasteur	21-Sep-17						
+L-019-08/0	Yewdell, Jonathan W.		Institut Pasteur	21-Sep-17						
<i>Note: L-019-08/0 split between FDA; NCI; NIAID; NIBIB; NIDDK</i>										
+L-101-09/1	Akin, Cem		Takeda Chemical Industries	29-Sep-17						
+L-101-09/1	Kirshenbaum, Arnold		Takeda Chemical Industries	29-Sep-17						
+L-101-09/1	Metcalfe, Dean D		Takeda Chemical Industries	29-Sep-17						
+L-036-04/0	Adachi, Akio		Monogram Biologics	4-Oct-17						
+L-036-04/0	Alkhatib, Ghalib		Monogram Biologics	4-Oct-17						
+L-036-04/0	Berger, Edward A.		Monogram Biologics	4-Oct-17						
+L-036-04/0	Broder, Christopher		Monogram Biologics	4-Oct-17						
+L-036-04/0	Combadiere, Christophe		Monogram Biologics	4-Oct-17						
+L-036-04/0	Feng, Yu		Monogram Biologics	4-Oct-17						
+L-036-04/0	Folks, Thomas M		Monogram Biologics	4-Oct-17						
+L-036-04/0	Kennedy, Paul		Monogram Biologics	4-Oct-17						
+L-036-04/0	Leonard, John M.		Monogram Biologics	4-Oct-17						
+L-036-04/0	Martin, Malcolm A		Monogram Biologics	4-Oct-17						
+L-036-04/0	Murphy, Philip M.		Monogram Biologics	4-Oct-17						
+L-036-04/0	Rabson, Arnold B.		Monogram Biologics	4-Oct-17						
+L-036-04/0	Rutledge, Rosamond A.		Monogram Biologics	4-Oct-17						
+L-036-04/0	Theodore, (b) (6) Theodore S		Monogram Biologics	4-Oct-17						
+L-036-04/0	Willey, Ronald L.		Monogram Biologics	4-Oct-17						
<i>Note: L-036-04/0 split between NCI; NIAID; NIMH</i>										
+L-141-10/0	Chang, Kyeong-OK		Kansas State Univ.	6-Oct-17						
+L-141-10/0	Green, Kim Y.		Kansas State Univ.	6-Oct-17						
+L-141-10/0	Sosnovtsev, Stanislav V		Kansas State Univ.	6-Oct-17						
+L-079-93/2	Ohara, Junichi		BD Biosciences - BD PharMingen	11-Oct-17						
+L-079-93/2	Paul, (b) (6) William E.		BD Biosciences - BD PharMingen	11-Oct-17						
+L-074-91/2	Harriman, Gregory R.		Becton Dickinson & Subsidiary PharMingen	11-Oct-17						
+L-074-91/2	Kunimoto, Dennis Y.		Becton Dickinson & Subsidiary PharMingen	11-Oct-17						
+L-074-91/2	Paul, (b) (6) William E.		Becton Dickinson & Subsidiary PharMingen	11-Oct-17						
+L-074-91/2	Strober, Warren		Becton Dickinson & Subsidiary PharMingen	11-Oct-17						
+L-118-11/1	Alexander, Robert M.		Transwall	11-Oct-17						
+L-118-11/1	Jenkins, John P.		Transwall	11-Oct-17						

+L-118-11/1	Koh, Franklin	(b)(4);	Transwall	11-Oct-17
+L-118-11/1	O'Brien, Daniel P.	(b)(6)	Transwall	11-Oct-17
+L-118-11/1	Quasney, Judit A.		Transwall	11-Oct-17
+L-019-08/0	Schubert, Ulrich K		Institut Pasteur	12-Oct-17
+L-019-08/0	Yewdell, Jonathan W.		Institut Pasteur	12-Oct-17
<i>Note: L-019-08/0 split between FDA; NCI; NIAID; NIBIB; NIDDK</i>				
+L-088-03/5	NIAID		International Medica Foundation	17-Oct-17
<i>Note: L-088-03/5 split between NIAID; NIDDK</i>				
+L-253-15/0	NIAID		Sun Biotech Pte., Ltd.	18-Oct-17
+L-046-17/1	Blaney, Jr., Joseph E	(b)(4);	Medigen Vaccine Biologics Corp	26-Oct-17
+L-046-17/1	Hanley, Kathryn	(b)(6)	Medigen Vaccine Biologics Corp	26-Oct-17
+L-046-17/1	Lai, Ching-Juh		Medigen Vaccine Biologics Corp	26-Oct-17
+L-046-17/1	Murphy, Brian R.		Medigen Vaccine Biologics Corp	26-Oct-17
+L-046-17/1	Whitehead, Stephen S.		Medigen Vaccine Biologics Corp	26-Oct-17
<i>Note: L-046-17/1 split between FDA; NIAID</i>				

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NIAID
November 2017

License	Inventor	Inventor Share %	Inventor Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
+L-232-17/0	Baxa, Ulrich	(b)(4);	Themis Bioscience	1-Nov-17						(b) (3) (A), (b) (4), (b) (6)
+L-232-17/0	Boyington, Jeffrey C.	(b)(6)	Themis Bioscience	1-Nov-17						
+L-232-17/0	Chen, Lei		Themis Bioscience	1-Nov-17						
+L-232-17/0	Chen, Man		Themis Bioscience	1-Nov-17						
+L-232-17/0	Chuang, Gwo-Yu		Themis Bioscience	1-Nov-17						
+L-232-17/0	Druz, Aliaksandr A.		Themis Bioscience	1-Nov-17						
+L-232-17/0	Georgiev, Ivelin S.		Themis Bioscience	1-Nov-17						
+L-232-17/0	Gorman, Jason		Themis Bioscience	1-Nov-17						
+L-232-17/0	Graham, Barney S.		Themis Bioscience	1-Nov-17						
+L-232-17/0	Joyce, Michael G.		Themis Bioscience	1-Nov-17						
+L-232-17/0	Kanekiyo, Masaru		Themis Bioscience	1-Nov-17						
+L-232-17/0	Kong, Wing-pui		Themis Bioscience	1-Nov-17						
+L-232-17/0	Kwong, Peter D.		Themis Bioscience	1-Nov-17						
+L-232-17/0	Mascola, John R.		Themis Bioscience	1-Nov-17						
+L-232-17/0	McLellan, Jason Scott		Themis Bioscience	1-Nov-17						
+L-232-17/0	OFEK, GILAD A		Themis Bioscience	1-Nov-17						
+L-232-17/0	Ou, Li		Themis Bioscience	1-Nov-17						
+L-232-17/0	Pancera, Marie L.		Themis Bioscience	1-Nov-17						
+L-232-17/0	Rundlet, Emily		Themis Bioscience	1-Nov-17						
+L-232-17/0	Sastry, Mallika		Themis Bioscience	1-Nov-17						
+L-232-17/0	Soto, Cinque		Themis Bioscience	1-Nov-17						
+L-232-17/0	Srivatsan, Sanjay R.		Themis Bioscience	1-Nov-17						
+L-232-17/0	Stewart-Jones, Guillaume BE		Themis Bioscience	1-Nov-17						
+L-232-17/0	Thomas, Paul V.		Themis Bioscience	1-Nov-17						
+L-232-17/0	Tsybovsky, Yaroslav		Themis Bioscience	1-Nov-17						
+L-232-17/0	Van Galen, Joseph		Themis Bioscience	1-Nov-17						
+L-232-17/0	YANG, YONGPING		Themis Bioscience	1-Nov-17						
+L-232-17/0	Zhang, Baoshan		Themis Bioscience	1-Nov-17						
+L-232-17/0	Zhou, Tongqing		Themis Bioscience	1-Nov-17						
+L-126-15/1	NIAID		GlaxoSmithKline Biologicals, S.A.	1-Nov-17						

Note: L-126-15/1 split between CDC; NIAID

+L-069-10/1	NIAID		Beijing Zhongyuan Ltd	1-Nov-17
+L-169-07/2	Folks, Thomas M	(b)(4);	Gilead Sciences, Inc.	9-Nov-17
+L-169-07/2	Justement, Jesse S	(b)(6)	Gilead Sciences, Inc.	9-Nov-17
+L-169-07/2	Kinter, Audrey L		Gilead Sciences, Inc.	9-Nov-17
+L-211-14/1	Biacchesi, Stephanie		ViraTree, LLC	16-Nov-17
+L-211-14/1	Buchholz, Ursula		ViraTree, LLC	16-Nov-17
+L-211-14/1	Bukreyev, Alexander		ViraTree, LLC	16-Nov-17
+L-211-14/1	Collins, Peter L.		ViraTree, LLC	16-Nov-17
+L-211-14/1	Luongo, Cindy L.		ViraTree, LLC	16-Nov-17
+L-211-14/1	Murphy, Brian R.		ViraTree, LLC	16-Nov-17
+L-211-14/1	Nutt, Anne S.		ViraTree, LLC	16-Nov-17
+L-211-14/1	(b)(4)		ViraTree, LLC	16-Nov-17
+L-211-14/1	Skiadopoulos, Mario		ViraTree, LLC	16-Nov-17
+L-211-14/1	(b)(4)		ViraTree, LLC	16-Nov-17
+L-120-95/3	Shevach, Ethan M		Southern Biotechnology Associates, Inc.	16-Nov-17
+L-069-10/1	Chanock, (b)(6) Robert		Beijing Zhongyuan Ltd	20-Nov-17
+L-069-10/1	Hoshino, Yasutaka		Beijing Zhongyuan Ltd	20-Nov-17
+L-069-10/1	Kapikian, (b)(6) Albert Z		Beijing Zhongyuan Ltd	20-Nov-17
+L-202-15/0	Akin, Cem		Genentech Inc.	22-Nov-17
+L-202-15/0	Kirshenbaum, Arnold		Genentech Inc.	22-Nov-17
+L-202-15/0	Metcalfe, Dean D		Genentech Inc.	22-Nov-17
+L-074-13/0	Sun, Peter D		Therapyx Inc	24-Nov-17
+L-074-13/0	Zou, Zhongcheng		Therapyx Inc	24-Nov-17
+L-341-17/0	Garboczi, David		Active Motif, Inc.	27-Nov-17
+L-341-17/0	Lantz, Larry		Active Motif, Inc.	27-Nov-17
+L-341-17/0	Leppla, Stephen H.		Active Motif, Inc.	27-Nov-17
+L-341-17/0	Leysath, Clinton E.		Active Motif, Inc.	27-Nov-17
+L-341-17/0	Phillips, Damilola D.		Active Motif, Inc.	27-Nov-17
+L-153-00/0	Ohara, Junichi		eBioscience	27-Nov-17
+L-153-00/0	Paul, (b)(6) William E.		eBioscience	27-Nov-17
+L-054-06/0	Germain, Ronald N.		eBioscience	27-Nov-17
+L-094-10/0	DeVico, Angela M.		eBioscience	27-Nov-17
+L-094-10/0	Korty, Patricia E.		eBioscience	27-Nov-17
+L-094-10/0	Shevach, Ethan M		eBioscience	27-Nov-17

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities

NIAID
December 2017

License	Inventor	Inventor Share %	Inventor Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-207-13/1	Cheng, Cheng	(b)(4);	ookipa Biotech AG	1-Dec-17						(b) (3) (A), (b) (4), (b) (6)
+L-207-13/1	Mangalampalli, Venkata R.	(b)(6)	ookipa Biotech AG	1-Dec-17						
+L-207-13/1	Merritt, Joshua S.		ookipa Biotech AG	1-Dec-17						
+L-207-13/1	Schwartz, Richard M.		ookipa Biotech AG	1-Dec-17						

+L-207-13/1	Wyckuff, Diane L.	(b)(4); (b)(6)	Hookipa Biotech AG	1-Dec-17
+L-253-15/0	Chanock, (b) (6) Robert		Sun Biotech Pte., Ltd.	1-Dec-17
+L-253-15/0	Hoshino, Yasutaka		Sun Biotech Pte., Ltd.	1-Dec-17
+L-253-15/0	Kapikian (b) (6) Albert Z		Sun Biotech Pte., Ltd.	1-Dec-17
+L-126-11/0	Cheung, Yiu Chong Gordon		Emergent Biodefense	1-Dec-17
+L-126-11/0	Gupta, Pradeep K.		Emergent Biodefense	1-Dec-17
+L-126-11/0	Hu, Haijing		Emergent Biodefense	1-Dec-17
+L-126-11/0	Leppla, Stephen H.		Emergent Biodefense	1-Dec-17
+L-126-11/0	Moayeri, Mahtab		Emergent Biodefense	1-Dec-17
+L-126-11/0	Pomerantsev, Andrei P		Emergent Biodefense	1-Dec-17
+L-152-02/3	Hsu, Su-Cheng Dana		Emergent BioDefense	1-Dec-17
+L-152-02/3	Leppla, Stephen H.		Emergent BioDefense	1-Dec-17
+L-152-02/3	Pomerantsev, Andrei P		Emergent BioDefense	1-Dec-17
<i>Note: L-152-02/3 split between NIAID; NIDCR</i>				
+L-126-15/1	Chakrabarti, Bimal K		GlaxoSmithKline Biologicals, S.A.	4-Dec-17
+L-126-15/1	Cheng, Cheng		GlaxoSmithKline Biologicals, S.A.	4-Dec-17
+L-126-15/1	(b) (6) Clement K. Asiedu		GlaxoSmithKline Biologicals, S.A.	4-Dec-17
+L-126-15/1	Huang, (b) (6) Yue		GlaxoSmithKline Biologicals, S.A.	4-Dec-17
+L-126-15/1	Mackett, Michael		GlaxoSmithKline Biologicals, S.A.	4-Dec-17
+L-126-15/1	Moss, Bernard		GlaxoSmithKline Biologicals, S.A.	4-Dec-17
+L-126-15/1	Nabel, Gary J		GlaxoSmithKline Biologicals, S.A.	4-Dec-17
+L-126-15/1	Smith, Geoffrey L		GlaxoSmithKline Biologicals, S.A.	4-Dec-17
+L-126-15/1	Sullivan, Nancy J		GlaxoSmithKline Biologicals, S.A.	4-Dec-17
+L-126-15/1	Yang, Zhi-Yong		GlaxoSmithKline Biologicals, S.A.	4-Dec-17
<i>Note: L-126-15/1 split between CDC; NIAID</i>				
+L-099-17/0	Akin, Cem		Eli Lilly and Company	5-Dec-17
+L-099-17/0	Kirshenbaum, Arnold		Eli Lilly and Company	5-Dec-17
+L-099-17/0	Metcalfe, Dean D		Eli Lilly and Company	5-Dec-17
+L-226-14/0	Nutman, Thomas B.		Focus Diagnostics, Inc.	7-Dec-17
+L-099-17/0	Akin, Cem		Eli Lilly and Company	12-Dec-17
+L-099-17/0	Kirshenbaum, Arnold		Eli Lilly and Company	12-Dec-17
+L-099-17/0	Metcalfe, Dean D		Eli Lilly and Company	12-Dec-17
+L-088-03/5	NIAID		International Medica Foundation	12-Dec-17
<i>Note: L-088-03/5 split between NIAID; NIDDK</i>				
+L-107-17/0	Akin, Cem	(b)(4);	Kangstem Biotech Co., Ltd.	12-Dec-17
+L-107-17/0	Kirshenbaum, Arnold	(b)(6)	Kangstem Biotech Co., Ltd.	12-Dec-17
+L-107-17/0	Metcalfe, Dean D		Kangstem Biotech Co., Ltd.	12-Dec-17
+L-208-14/1	NIAID		Grifols Therapeutics, Inc.	13-Dec-17
+L-165-13/1	Mackett, Michael		Jennerex Inc	15-Dec-17
+L-165-13/1	Moss, Bernard		Jennerex Inc	15-Dec-17
+L-165-13/1	Smith, Geoffrey L		Jennerex Inc	15-Dec-17
+L-248-15/0	Marques, Adriana		InBios International, Inc.	19-Dec-17
<i>Note: L-248-15/0 split between NIAID; NIDCR</i>				
+L-135-13/0	Hsu, Su-Cheng Dana		Biologics	20-Dec-17
+L-135-13/0	Leppla, Stephen H.		Biologics	20-Dec-17
+L-135-13/0	Pomerantsev, Andrei P		Biologics	20-Dec-17

(b) (3) (A), (b) (4), (b) (6)

Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK

+L-181-14/0	Fink, Doran	(b)(4);	InBios International Inc	20-Dec-17
+L-181-14/0	Kubofcik, Joseph	(b)(6)	InBios International Inc	20-Dec-17
+L-181-14/0	Nutman, Thomas B.		InBios International Inc	20-Dec-17
Note: L-181-14/0 split between NIAID; NIDCR				
+L-009-06/0	Collins, Peter L.		Apath, LLC	22-Dec-17
+L-217-16/0	Blaney, Jr., Joseph E		Indian Immunologicals Ltd	22-Dec-17
+L-217-16/0	Hanley, Kathryn		Indian Immunologicals Ltd	22-Dec-17
+L-217-16/0	Lai, Ching-Juh		Indian Immunologicals Ltd	22-Dec-17
+L-217-16/0	Murphy, Brian R.		Indian Immunologicals Ltd	22-Dec-17
+L-217-16/0	Whitehead, Stephen S.		Indian Immunologicals Ltd	22-Dec-17
Note: L-217-16/0 split between FDA; NIAID				
+L-273-16/0	Akin, Cem		Heptares Therapeutics	26-Dec-17
+L-273-16/0	Kirshenbaum, Arnold		Heptares Therapeutics	26-Dec-17
+L-273-16/0	Metcalfe, Dean D		Heptares Therapeutics	26-Dec-17
+L-080-06/3	NIAID		Panacea Biotech Ltd.	27-Dec-17
Note: L-080-06/3 split between FDA; NIAID				
+L-253-15/0	NIAID		Sun Biotech Pte., Ltd.	27-Dec-17
+L-046-17/1	Blaney, Jr., Joseph E	(b)(4);	Medigen Vaccine Biologics Corp	28-Dec-17
+L-046-17/1	Hanley, Kathryn	(b)(6)	Medigen Vaccine Biologics Corp	28-Dec-17
+L-046-17/1	Lai, Ching-Juh		Medigen Vaccine Biologics Corp	28-Dec-17
+L-046-17/1	Murphy, Brian R.		Medigen Vaccine Biologics Corp	28-Dec-17
+L-046-17/1	Whitehead, Stephen S.		Medigen Vaccine Biologics Corp	28-Dec-17
Note: L-046-17/1 split between FDA; NIAID				
+L-069-14/0	Mchugh, Rebecca S		BioLegend	28-Dec-17
+L-069-14/0	Shevach, Ethan M		BioLegend	28-Dec-17
+L-069-14/0	Stephens, Geoffrey L.		BioLegend	28-Dec-17
+L-110-17/0	Shevach, Ethan M		BioLegend Inc.	28-Dec-17
+L-162-08/1	Sun, Peter D		BioLegend	28-Dec-17
+L-162-08/1	Zou, Zhongcheng		BioLegend	28-Dec-17
Note: L-162-08/1 split between NCI; NIAID				
+L-246-14/1	Eisenbarth, (b)(6) George		BIOLEGEND	28-Dec-17
Note: L-246-14/1 split between NHLBI; NIAID				
+L-011-08/2	Shevach, Ethan M		BioLegend	28-Dec-17
+L-005-03/1	Ohara, Junichi		Biolegend Inc	28-Dec-17
+L-005-03/1	Paul, (b)(6) William E.		Biolegend Inc	28-Dec-17
+L-003-11/0	Germain, Ronald N.		Biolegend	28-Dec-17
+L-003-11/0	Porgador, Angel		Biolegend	28-Dec-17
+L-071-10/0	DeVico, Angela M.		BioLegend	28-Dec-17
+L-071-10/0	Korty, Patricia E.		BioLegend	28-Dec-17
+L-071-10/0	Shevach, Ethan M		BioLegend	28-Dec-17
+L-072-09/1	Long, Eric O.		BioLegend	28-Dec-17
+L-072-09/1	Rajagopalan, Sumati		BioLegend	28-Dec-17

(b) (3) (A), (b) (4), (b) (6)

+L-190-05/2 Bennink, Jack R.
 +L-190-05/2 Broder, Christopher
 +L-190-05/2 Chesebro, Bruce
 +L-190-05/2 Cox, Josephine H
 +L-190-05/2 Doms, Robert W.
 +L-190-05/2 Earl, Patricia L.
 +L-190-05/2 Moss, Bernard
 +L-190-05/2 Wehrly, Kathryn
 +L-190-05/2 Yewdell, Jonathan W.
 Note: L-190-05/2 split between NCI; NIAID

(b)(4);
 (b)(6) GeoVax, Inc. 28-Dec-17
 GeoVax, Inc. 28-Dec-17
 GeoVax, Inc. 28-Dec-17
 GeoVax, Inc. 28-Dec-17
 GeoVax, Inc. 28-Dec-17
 GeoVax, Inc. 28-Dec-17
 GeoVax, Inc. 28-Dec-17
 GeoVax, Inc. 28-Dec-17
 GeoVax, Inc. 28-Dec-17

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
 NIAID
 January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann.	Patent	Total January	License	Inventor Awards	Net Remaining to
					Min./Exec. Fee	Prosecution Costs	Income	Cumulative Income	January	IC
+L-037-03/1	Jeang, (b) (6) Kuan-Teh	(b)(4); (b)(6)	Medical & Biological Laboratories	1-Jan-18						(b) (3) (A), (b) (4), (b) (6)
+L-153-00/1	Ohara, Junichi		eBioscience	1-Jan-18						
+L-153-00/1	Paul, (b) (6) William E.		eBioscience	1-Jan-18						
+L-035-13/0	Blaney, Jr., Joseph E		GlaxoSmithKline	2-Jan-18						
+L-035-13/0	Bray, Michael		GlaxoSmithKline	2-Jan-18						
+L-035-13/0	Chanock, (b) (6) Robert		GlaxoSmithKline	2-Jan-18						
+L-035-13/0	Eckels, Kenneth H		GlaxoSmithKline	2-Jan-18						
+L-035-13/0	Hanley, Kathryn		GlaxoSmithKline	2-Jan-18						
+L-035-13/0	Lai, Ching-Juh		GlaxoSmithKline	2-Jan-18						
+L-035-13/0	Men, Ruhe		GlaxoSmithKline	2-Jan-18						
+L-035-13/0	Murphy, Brian R.		GlaxoSmithKline	2-Jan-18						
+L-035-13/0	Pletnev, Alexander G		GlaxoSmithKline	2-Jan-18						
+L-035-13/0	Whitehead, Stephen S.		GlaxoSmithKline	2-Jan-18						
+L-035-13/0	Zhang, Yi-Ming		GlaxoSmithKline	2-Jan-18						
Note: L-035-13/0 split between FDA; NIAID										
+L-018-18/0	Datta, Sandip Kumar		Forte Biosciences Inc	2-Jan-18						
+L-018-18/0	Myles, Ian		Forte Biosciences Inc	2-Jan-18						
+L-018-18/0	NIAID		Forte Biosciences Inc	2-Jan-18						
+L-018-18/0	Datta, Sandip Kumar	(b)(4);	Forte Biosciences Inc	2-Jan-18						
+L-018-18/0	Myles, Ian	(b)(6)	Forte Biosciences Inc	2-Jan-18						
+L-094-10/0	DeVico, Angela M.		eBioscience	3-Jan-18						
+L-094-10/0	Korty, Patricia E.		eBioscience	3-Jan-18						
+L-094-10/0	Shevach, Ethan M		eBioscience	3-Jan-18						
+L-049-00/1	Shevach, Ethan M		eBioscience, Inc..	3-Jan-18						
Note (b) (4) split between NCI; NIAID										
+L-054-06/0	Germain, Ronald N.		eBioscience	3-Jan-18						
+L-035-18/0	DeVico, Angela M.		Celgene Corporation	3-Jan-18						
+L-035-18/0	Shevach, Ethan M		Celgene Corporation	3-Jan-18						
+L-035-18/0	DeVico, Angela M.		Celgene Corporation	3-Jan-18						

+L-035-18/0	Shevach, Ethan M	(b)(4): (b)(6)	Celgene Corporation	3-Jan-18
+L-149-15/0	Blaney, Jr., Joseph E		Serum Institute of India Ltd.	4-Jan-18
+L-149-15/0	Hanley, Kathryn		Serum Institute of India Ltd.	4-Jan-18
+L-149-15/0	Lai, Ching-Juh		Serum Institute of India Ltd.	4-Jan-18
+L-149-15/0	Murphy, Brian R.		Serum Institute of India Ltd.	4-Jan-18
+L-149-15/0	Whitehead, Stephen S.		Serum Institute of India Ltd.	4-Jan-18
<i>Note: L-149-15/0 split between FDA; NIAID</i>				
+L-197-05/5	Chanock, (b) (6) Robert		Serum Institute of India	4-Jan-18
+L-197-05/5	Hoshino, Yasutaka		Serum Institute of India	4-Jan-18
+L-197-05/5	Kapikian, (b) (6) Albert Z		Serum Institute of India	4-Jan-18
+L-036-06/0	Blaney, Jr., Joseph E		Hawaii Biotechnology Group, Inc.	4-Jan-18
+L-036-06/0	Chanock, (b) (6) Robert		Hawaii Biotechnology Group, Inc.	4-Jan-18
+L-036-06/0	Murphy, Brian R.		Hawaii Biotechnology Group, Inc.	4-Jan-18
+L-036-06/0	Pletnev, Alexander G		Hawaii Biotechnology Group, Inc.	4-Jan-18
+L-036-06/0	Putnak, J. Robert		Hawaii Biotechnology Group, Inc.	4-Jan-18
+L-036-06/0	Whitehead, Stephen S.		Hawaii Biotechnology Group, Inc.	4-Jan-18
+L-130-05/2	Chanock, (b) (6) Robert		Biological E Limited	10-Jan-18
+L-130-05/2	Hoshino, Yasutaka		Biological E Limited	10-Jan-18
+L-130-05/2	Kapikian, (b) (6) Albert Z		Biological E Limited	10-Jan-18
+L-035-18/0	DeVico, Angela M.		Celgene Corporation	10-Jan-18
+L-035-18/0	Shevach, Ethan M		Celgene Corporation	10-Jan-18
+L-118-11/1	Alexander, Robert M.		Transwall	16-Jan-18
+L-118-11/1	Jenkins, John P.		Transwall	16-Jan-18
+L-118-11/1	Koh, Franklin		Transwall	16-Jan-18
+L-118-11/1	O'Brien, Daniel P.		Transwall	16-Jan-18
+L-118-11/1	Quasney, Judit A.		Transwall	16-Jan-18
+L-125-12/0	Eisenbarth, (b) (6) George		BD Biosciences	17-Jan-18
<i>Note: L-125-12/0 split between NHLBI; NIAID</i>				
+L-079-93/2	Ohara, Junichi		BD Biosciences - BD PharMingen	17-Jan-18
+L-079-93/2	Paul, (b) (6) William E.		BD Biosciences - BD PharMingen	17-Jan-18
+L-074-91/2	Harriman, Gregory R.		Becton Dickinson & Subsidiary PharMingen	17-Jan-18
+L-074-91/2	Kunimoto, Dennis Y.		Becton Dickinson & Subsidiary PharMingen	17-Jan-18
+L-074-91/2	Paul, (b) (6) William E.		Becton Dickinson & Subsidiary PharMingen	17-Jan-18
+L-074-91/2	Strober, Warren		Becton Dickinson & Subsidiary PharMingen	17-Jan-18
+L-200-05/6	Chanock, (b) (6) Robert		Wuhan Institute of Bio. Prod.	22-Jan-18
+L-200-05/6	Hoshino, Yasutaka		Wuhan Institute of Bio. Prod.	22-Jan-18
+L-200-05/6	Kapikian, (b) (6) Albert Z		Wuhan Institute of Bio. Prod.	22-Jan-18
+L-011-08/2	Shevach, Ethan M		BioLegend	24-Jan-18
+L-197-05/5	Chanock, (b) (6) Robert		Serum Institute of India	25-Jan-18
+L-197-05/5	Hoshino, Yasutaka		Serum Institute of India	25-Jan-18
+L-197-05/5	Kapikian, (b) (6) Albert Z		Serum Institute of India	25-Jan-18
+L-197-05/5	Chanock, (b) (6) Robert		Serum Institute of India	25-Jan-18
+L-197-05/5	Hoshino, Yasutaka		Serum Institute of India	25-Jan-18
+L-197-05/5	Kapikian, (b) (6) Albert Z		Serum Institute of India	25-Jan-18
+L-271-17/0	Gu, Hua		Adaerata, Limited Patnership	25-Jan-18

(b) (3) (A), (b) (4), (b) (6)

(b) (3) (A), (b) (4), (b) (6)

+L-226-14/0	Nutman, Thomas B.	(b)(4); (b)(6)	Focus Diagnostics, Inc.	26-Jan-18
+L-162-15/0	NIAID		Merck Sharp	30-Jan-18

NIH Patent Licensing Activities
NIAID
February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-197-05/5	Chanock, (b) (6) Robert	(b)(4);	Serum Institute of India	1-Feb-18						(b) (3) (A), (b) (4), (b) (6)
+L-197-05/5	Hoshino, Yasutaka	(b)(6)	Serum Institute of India	1-Feb-18						
+L-197-05/5	Kapikian, (b) (6) Albert Z		Serum Institute of India	1-Feb-18						
+L-216-16/0	Blaney, Jr., Joseph E		Humabs BioMed SA	5-Feb-18						
+L-216-16/0	Hanley, Kathryn		Humabs BioMed SA	5-Feb-18						
+L-216-16/0	Lai, Ching-Juh		Humabs BioMed SA	5-Feb-18						
+L-216-16/0	Murphy, Brian R.		Humabs BioMed SA	5-Feb-18						
+L-216-16/0	Whitehead, Stephen S.		Humabs BioMed SA	5-Feb-18						
<i>Note: L-216-16/0 split between FDA; NIAID</i>										
+L-135-17/0	Boyington, Jeffrey C.		Emergent Product Development Gaithersbur	6-Feb-18						
+L-135-17/0	Corbett, Kizzmekia		Emergent Product Development Gaithersbur	6-Feb-18						
+L-135-17/0	Graham, Barney S.		Emergent Product Development Gaithersbur	6-Feb-18						
+L-135-17/0	Kanekiyo, Masaru		Emergent Product Development Gaithersbur	6-Feb-18						
+L-135-17/0	Kong, Wing-pui		Emergent Product Development Gaithersbur	6-Feb-18						
+L-135-17/0	Kwong, Peter D.		Emergent Product Development Gaithersbur	6-Feb-18						
+L-135-17/0	Mascola, John R.		Emergent Product Development Gaithersbur	6-Feb-18						
+L-135-17/0	McTamney, Patrick		Emergent Product Development Gaithersbur	6-Feb-18						
+L-135-17/0	Moin, Syed M.		Emergent Product Development Gaithersbur	6-Feb-18						
+L-135-17/0	Nabel, Gary J		Emergent Product Development Gaithersbur	6-Feb-18						
+L-135-17/0	Wang, Lingshu		Emergent Product Development Gaithersbur	6-Feb-18						
+L-135-17/0	Wei, Chih-Jen		Emergent Product Development Gaithersbur	6-Feb-18						
+L-135-17/0	Whittle, James R R		Emergent Product Development Gaithersbur	6-Feb-18						
+L-135-17/0	Yang, Zhi-Yong		Emergent Product Development Gaithersbur	6-Feb-18						
+L-135-17/0	Yassine, Hadi M.		Emergent Product Development Gaithersbur	6-Feb-18						
+L-113-04/1	Jeang, (b) (6) Kuan-Teh		Cell Signaling Technology, Inc.	6-Feb-18						
+L-087-11/0	Eisenbarth, (b) (6) George		Cell Signaling Technology Inc	6-Feb-18						
<i>Note: L-087-11/0 split between NHLBI; NIAID</i>										
+L-031-09/1	Britt, William J.		Tocagen Inc	6-Feb-18						
+L-031-09/1	Chesebro, Bruce		Tocagen Inc	6-Feb-18						
+L-031-09/1	Evans, Leonard		Tocagen Inc	6-Feb-18						
+L-031-09/1	Miyazawa, Masaaki		Tocagen Inc	6-Feb-18						
+L-031-09/1	Robertson, Michael N.		Tocagen Inc	6-Feb-18						
+L-031-09/1	Wehrly, Kathryn		Tocagen Inc	6-Feb-18						
+L-162-15/0	Boyington, Jeffrey C.		Merck Sharp	8-Feb-18						
+L-162-15/0	Chen, Lei		Merck Sharp	8-Feb-18						
+L-162-15/0	Chen, Man		Merck Sharp	8-Feb-18						
+L-162-15/0	Chuang, Gwo-Yu		Merck Sharp	8-Feb-18						
+L-162-15/0	Georgiev, Ivelin S.		Merck Sharp	8-Feb-18						
+L-162-15/0	Gorman, Jason		Merck Sharp	8-Feb-18						
+L-162-15/0	Graham, Barney S.		Merck Sharp	8-Feb-18						

+L-162-15/0	Joyce, Michael G.	(b)(4);	Merck Sharp	8-Feb-18
+L-162-15/0	Kanekiyo, Masaru	(b)(6)	Merck Sharp	8-Feb-18
+L-162-15/0	Kwong, Peter D.		Merck Sharp	8-Feb-18
+L-162-15/0	McLellan, Jason Scott		Merck Sharp	8-Feb-18
+L-162-15/0	OFEK, GILAD A		Merck Sharp	8-Feb-18
+L-162-15/0	Pancera, Marie L.		Merck Sharp	8-Feb-18
+L-162-15/0	Sastry, Mallika		Merck Sharp	8-Feb-18
+L-162-15/0	Soto, Cinque		Merck Sharp	8-Feb-18
+L-162-15/0	Srivatsan, Sanjay R.		Merck Sharp	8-Feb-18
+L-162-15/0	Stewart-Jones, Guillaume		Merck Sharp	8-Feb-18
+L-162-15/0	YANG, YONGPING		Merck Sharp	8-Feb-18
+L-162-15/0	Zhang, Baoshan		Merck Sharp	8-Feb-18
+L-162-15/0	Zhou, Tongqing		Merck Sharp	8-Feb-18
+L-118-09/2	Chanock, (b) (6) Robert		Sinovac Biotech, Ltd.	8-Feb-18
+L-118-09/2	Hoshino, Yasutaka		Sinovac Biotech, Ltd.	8-Feb-18
+L-118-09/2	Kapikian, (b) (6) Albert Z		Sinovac Biotech, Ltd.	8-Feb-18
+L-118-09/2	Chanock, (b) (6) Robert		Sinovac Biotech, Ltd.	8-Feb-18
+L-118-09/2	Hoshino, Yasutaka		Sinovac Biotech, Ltd.	8-Feb-18
+L-118-09/2	Kapikian, (b) (6) Albert Z		Sinovac Biotech, Ltd.	8-Feb-18
+L-118-09/2	NIAID		Sinovac Biotech, Ltd.	8-Feb-18
+L-037-06/0	Bukh, Jens		Apath, LLC	8-Feb-18
+L-037-06/0	Emerson, Suzanne U.		Apath, LLC	8-Feb-18
+L-037-06/0	Purcell, Robert H		Apath, LLC	8-Feb-18
+L-037-06/0	Yanagi, Masayuki		Apath, LLC	8-Feb-18
+L-247-15/0	Atarashi, Ryuichiro		Amprion, Inc.	9-Feb-18
+L-247-15/0	Caughey, Byron W.		Amprion, Inc.	9-Feb-18
+L-247-15/0	Moore, Roger A.		Amprion, Inc.	9-Feb-18
+L-247-15/0	Priola, Susette A.		Amprion, Inc.	9-Feb-18
+L-247-15/0	NIAID		Amprion, Inc.	9-Feb-18
+L-079-96/0	Elroy-Stein, Orna		Aviron, Incorporated	9-Feb-18
+L-079-96/0	Fuerst, Thomas R.		Aviron, Incorporated	9-Feb-18
+L-079-96/0	Mackett, Michael		Aviron, Incorporated	9-Feb-18
+L-079-96/0	Moss, Bernard		Aviron, Incorporated	9-Feb-18
+L-079-96/0	Smith, Geoffrey L		Aviron, Incorporated	9-Feb-18
+L-079-96/0	Elroy-Stein, Orna		Aviron, Incorporated	9-Feb-18
+L-079-96/0	Fuerst, Thomas R.		Aviron, Incorporated	9-Feb-18
+L-079-96/0	Mackett, Michael		Aviron, Incorporated	9-Feb-18
+L-079-96/0	Moss, Bernard		Aviron, Incorporated	9-Feb-18
+L-079-96/0	Smith, Geoffrey L		Aviron, Incorporated	9-Feb-18
+L-079-96/0	Elroy-Stein, Orna		Aviron, Incorporated	9-Feb-18
+L-079-96/0	Fuerst, Thomas R.		Aviron, Incorporated	9-Feb-18
+L-079-96/0	Mackett, Michael		Aviron, Incorporated	9-Feb-18
+L-079-96/0	Moss, Bernard		Aviron, Incorporated	9-Feb-18
+L-079-96/0	Smith, Geoffrey L		Aviron, Incorporated	9-Feb-18

(b) (3) (A), (b) (4), (b) (6)

+L-079-96/0	Elroy-Stein, Orna	(b)(4);	Aviron, Incorporated	9-Feb-18
+L-079-96/0	Fuerst, Thomas R.	(b)(6)	Aviron, Incorporated	9-Feb-18
+L-079-96/0	Mackett, Michael		Aviron, Incorporated	9-Feb-18
+L-079-96/0	Moss, Bernard		Aviron, Incorporated	9-Feb-18
+L-079-96/0	Smith, Geoffrey L		Aviron, Incorporated	9-Feb-18
+L-044-18/0	Boyington, Jeffrey C.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Buchholz, Ursula		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Chen, Lei		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Chen, Man		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Chuang, Gwo-Yu		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Collins, Peter L.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Druz, Aliaksandr A.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Georgiev, Ivelin S.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Gorman, Jason		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Graham, Barney S.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Joyce, Michael G.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Kanekiyo, Masaru		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Kong, Wing-pui		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Kwong, Peter D.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Mascola, John R.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	McLellan, Jason Scott		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	OFEK, GILAD A		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Ou, Li		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Pancera, Marie L.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Sastry, Mallika		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Soto, Cinque		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Srivatsan, Sanjay R.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Stewart-Jones, Guillaume BE		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Thomas, Paul V.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Xu, Kai		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	YANG, YONGPING		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Zhang, Baoshan		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Zhou, Tongqing		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Boyington, Jeffrey C.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Buchholz, Ursula		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Chen, Lei		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Chen, Man		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Chuang, Gwo-Yu		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Collins, Peter L.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Druz, Aliaksandr A.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Georgiev, Ivelin S.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Gorman, Jason		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Graham, Barney S.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Joyce, Michael G.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Kanekiyo, Masaru		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Kong, Wing-pui		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Kwong, Peter D.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Mascola, John R.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	McLellan, Jason Scott		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	OFEK, GILAD A		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Ou, Li		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Pancera, Marie L.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Sastry, Mallika		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Soto, Cinque		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Srivatsan, Sanjay R.		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Stewart-Jones, Guillaume BE		ModernaTX, Inc.	12-Feb-18

(b) (3) (A), (b) (4), (b) (6)

+L-044-18/0	Thomas, Paul V.	(b)(4);	ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Xu, Kai	(b)(6)	ModernaTX, Inc.	12-Feb-18
+L-044-18/0	YANG, YONGPING		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Zhang, Baoshan		ModernaTX, Inc.	12-Feb-18
+L-044-18/0	Zhou, Tongqing		ModernaTX, Inc.	12-Feb-18
+L-063-06/3	Barry, Clifton E		Sequella, Inc.	14-Feb-18
+L-063-06/3	Lee, Richard E.		Sequella, Inc.	14-Feb-18
+L-063-06/3	Slayden, Richard A		Sequella, Inc.	14-Feb-18
+L-162-08/1	Sun, Peter D		BioLegend	14-Feb-18
+L-162-08/1	Zou, Zhongcheng		BioLegend	14-Feb-18
<i>Note: L-162-08/1 split between NCI; NIAID</i>				
+L-072-09/1	Long, Eric O.		BioLegend	14-Feb-18
+L-072-09/1	Rajagopalan, Sumati		BioLegend	14-Feb-18
+L-005-03/1	Ohara, Junichi		Biolegend Inc	14-Feb-18
+L-005-03/1	Paul, (b) (6) William E.		Biolegend Inc	14-Feb-18
+L-011-08/2	Shevach, Ethan M		BioLegend	14-Feb-18
+L-003-11/0	Germain, Ronald N.		Biolegend	14-Feb-18
+L-003-11/0	Porgador, Angel		Biolegend	14-Feb-18
+L-071-10/0	DeVico, Angela M.		BioLegend	14-Feb-18
+L-071-10/0	Korty, Patricia E.		BioLegend	14-Feb-18
+L-071-10/0	Shevach, Ethan M		BioLegend	14-Feb-18
+L-061-13/0	Chen, Zhao Chun		BioFactura, Inc.	14-Feb-18
+L-061-13/0	Emerson, Suzanne U.		BioFactura, Inc.	14-Feb-18
+L-061-13/0	Moss, Bernard		BioFactura, Inc.	14-Feb-18
+L-061-13/0	Purcell, Robert H		BioFactura, Inc.	14-Feb-18
+L-061-13/0	NIAID		BioFactura, Inc.	14-Feb-18
+L-061-13/0	NIAID		BioFactura, Inc.	14-Feb-18
+L-115-00/2	Cheung, Yiu Chong Gordon	(b)(4);	List Biological Laboratories, Inc.	14-Feb-18
+L-115-00/2	Gupta, Pradeep K.	(b)(6)	List Biological Laboratories, Inc.	14-Feb-18
+L-115-00/2	Hsu, Su-Cheng Dana		List Biological Laboratories, Inc.	14-Feb-18
+L-115-00/2	Hu, Haijing		List Biological Laboratories, Inc.	14-Feb-18
+L-115-00/2	Leppla, Stephen H.		List Biological Laboratories, Inc.	14-Feb-18
+L-115-00/2	Leysath, Clinton E.		List Biological Laboratories, Inc.	14-Feb-18
+L-115-00/2	Moayeri, Mahtab		List Biological Laboratories, Inc.	14-Feb-18
+L-115-00/2	Pomerantsev, Andrei P		List Biological Laboratories, Inc.	14-Feb-18
<i>Note: L-115-00/2 split between NIAID; NIDCR</i>				
+L-089-12/0	Shevach, Ethan M		Miltenyi Biotec GMBH	15-Feb-18
+L-098-10/0	Germain, Ronald N.		Miltenyi Biotec GmbH	15-Feb-18
+L-098-10/0	Porgador, Angel		Miltenyi Biotec GmbH	15-Feb-18
+L-051-11/0	DeVico, Angela M.		Miltenyi Biotec GmbH	15-Feb-18
+L-051-11/0	Korty, Patricia E.		Miltenyi Biotec GmbH	15-Feb-18
+L-051-11/0	Shevach, Ethan M		Miltenyi Biotec GmbH	15-Feb-18
+L-044-08/0	Eisenbarth, (b) (6) George		Miltenyi Biotec GMBH	15-Feb-18
<i>Note: L-044-08/0 split between NHLBI; NIAID</i>				

(b) (3) (A), (b) (4), (b) (6)

+L-113-04/1	Jeang, (b) (6) Kuan-Teh	(b)(4); (b)(6)	Cell Signaling Technology, Inc.	15-Feb-18	(b) (3) (A), (b) (4), (b) (6)	
+L-099-14/2	Garboczi, David		KeraFAST	20-Feb-18		
+L-099-14/2	Lantz, Larry		KeraFAST	20-Feb-18		
+L-099-14/2	Leppla, Stephen H.		KeraFAST	20-Feb-18		
+L-099-14/2	Leysath, Clinton E.		KeraFAST	20-Feb-18		
+L-099-14/2	Phillips, Damilola D.		KeraFAST	20-Feb-18		
+L-181-14/0	Fink, Doran		InBios International Inc	22-Feb-18		
+L-181-14/0	Kubofcik, Joseph		InBios International Inc	22-Feb-18		
+L-181-14/0	Nutman, Thomas B.		InBios International Inc	22-Feb-18		
<i>Note: L-181-14/0 split between NIAID; NIDCR</i>						
+L-080-04/1	Green, Kim Y.		R-Biopharm AG	23-Feb-18		
+L-080-04/1	Sosnovtsev, Stanislav V		R-Biopharm AG	23-Feb-18		
+L-080-04/1	Green, Kim Y.		R-Biopharm AG	23-Feb-18		
+L-080-04/1	Sosnovtsev, Stanislav V		R-Biopharm AG	23-Feb-18		
+L-011-15/0	Garboczi, David		EMD Millipore Corp.	23-Feb-18		
+L-011-15/0	Lantz, Larry		EMD Millipore Corp.	23-Feb-18		
+L-011-15/0	Leppla, Stephen H.		EMD Millipore Corp.	23-Feb-18		
+L-011-15/0	Leysath, Clinton E.		EMD Millipore Corp.	23-Feb-18		
+L-011-15/0	Phillips, Damilola D.		EMD Millipore Corp.	23-Feb-18		

NIH Patent Licensing Activities

NIAID

March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-080-13/0	Fuerst, Thomas R.	(b)(4);	Gilead Sciences Inc	1-Mar-18						(b) (3) (A), (b) (4), (b) (6)
+L-080-13/0	Mackett, Michael	(b)(6)	Gilead Sciences Inc	1-Mar-18						
+L-080-13/0	Moss, Bernard		Gilead Sciences Inc	1-Mar-18						
+L-080-13/0	Smith, Geoffrey L		Gilead Sciences Inc	1-Mar-18						
+L-080-13/0	(b) (4)		Gilead Sciences Inc	1-Mar-18						
+L-154-06/0	Mackett, Michael		Merial Limited	1-Mar-18						
+L-154-06/0	Moss, Bernard		Merial Limited	1-Mar-18						
+L-154-06/0	Smith, Geoffrey L		Merial Limited	1-Mar-18						
+L-099-14/2	Garboczi, David		KeraFAST	2-Mar-18						
+L-099-14/2	Lantz, Larry		KeraFAST	2-Mar-18						
+L-099-14/2	Leppla, Stephen H.		KeraFAST	2-Mar-18						
+L-099-14/2	Leysath, Clinton E.		KeraFAST	2-Mar-18						
+L-099-14/2	Phillips, Damilola D.		KeraFAST	2-Mar-18						
+L-166-05/1	Chanock, (b) (6) Robert		Bharat Biotech Ltd	5-Mar-18						
+L-166-05/1	Hoshino, Yasutaka		Bharat Biotech Ltd	5-Mar-18						
+L-166-05/1	Kapikian, (b) (6) Albert Z		Bharat Biotech Ltd	5-Mar-18						
+L-001-98/2	Shevach, Ethan M		BD Biosciences	6-Mar-18						
+L-056-12/0	DeVico, Angela M.		BD Biosciences	6-Mar-18						
+L-056-12/0	Korty, Patricia E.		BD Biosciences	6-Mar-18						
+L-056-12/0	Shevach, Ethan M		BD Biosciences	6-Mar-18						

+L-165-15/0	Davey, Richard T.	(b)(4);	EMD Millipore Corporation	6-Mar-18
+L-165-15/0	Nutman, Thomas B.	(b)(6)	EMD Millipore Corporation	6-Mar-18
+L-235-15/0	Best, Sonja M.		EMD Millipore Corp.	6-Mar-18
+L-235-15/0	Lubick, Kirk		EMD Millipore Corp.	6-Mar-18
+L-235-15/0	Robertson, Shelly J.		EMD Millipore Corp.	6-Mar-18
+L-225-94/4	Siebenlist, Ulrich		Upstate	6-Mar-18
+L-009-13/0	Lenardo, Michael J.		MILLIPORE CORP	6-Mar-18
+L-009-13/0	Wan, Fengyi		MILLIPORE CORP	6-Mar-18
+L-119-13/0	Jeang, (b)(6) Kuan-Teh		EMD Millipore corp	6-Mar-18
+L-135-13/0	NIAID		Biologics	6-Mar-18
<i>Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK</i>				
+L-106-06/0	Shevach, Ethan M	(b)(4);	eBioscience	6-Mar-18
+L-054-06/0	Germain, Ronald N.	(b)(6)	eBioscience	6-Mar-18
+L-153-00/1	Ohara, Junichi		eBioscience	6-Mar-18
+L-153-00/1	Paul, (b)(6) William E.		eBioscience	6-Mar-18
+L-153-00/0	Ohara, Junichi		eBioscience	6-Mar-18
+L-153-00/0	Paul, (b)(6) William E.		eBioscience	6-Mar-18
+L-153-00/1	Ohara, Junichi		eBioscience	6-Mar-18
+L-153-00/1	Paul, (b)(6) William E.		eBioscience	6-Mar-18
+L-049-00/1	Shevach, Ethan M		eBioscience, Inc..	6-Mar-18
<i>Note: L-049-00/1 split between NCI; NIAID</i>				
+L-078-11/0	Mackett, Michael		CEVA Biomune	6-Mar-18
+L-078-11/0	Moss, Bernard		CEVA Biomune	6-Mar-18
+L-078-11/0	Smith, Geoffrey L		CEVA Biomune	6-Mar-18
+L-015-10/0	Ohara, Junichi		Millipore Corporation	7-Mar-18
+L-015-10/0	Paul, (b)(6) William E.		Millipore Corporation	7-Mar-18
+L-225-94/4	Siebenlist, Ulrich		Upstate	7-Mar-18
+L-248-15/0	Marques, Adriana		InBios International, Inc.	8-Mar-18
<i>Note: L-248-15/0 split between NIAID; NIDCR</i>				
+L-034-18/0	Leppla, Stephen H.		InBios International	8-Mar-18
+L-142-07/2	Mackett, Michael		Transgene S.A.	9-Mar-18
+L-142-07/2	Moss, Bernard		Transgene S.A.	9-Mar-18
+L-142-07/2	Smith, Geoffrey L		Transgene S.A.	9-Mar-18
+L-013-18/0	Benn, Steven I		MolMed SPA	9-Mar-18
+L-013-18/0	Folks, Thomas M		MolMed SPA	9-Mar-18
+L-013-18/0	Martin, Malcolm A		MolMed SPA	9-Mar-18
+L-013-18/0	Theodore, (b)(6) Theodore S		MolMed SPA	9-Mar-18
+L-013-18/0	Benn, Steven I		MolMed SPA	9-Mar-18
+L-013-18/0	Folks, Thomas M		MolMed SPA	9-Mar-18

(b) (3) (A), (b) (4), (b) (6)

+L-013-18/0	Martin, Malcolm A	(b)(4);	MolMed SPA	9-Mar-18
+L-013-18/0	Theodore, (b) (6) Theodore S	(b)(6)	MolMed SPA	9-Mar-18
+L-013-18/0	Benn, Steven I		MolMed SPA	9-Mar-18
+L-013-18/0	Folks, Thomas M		MolMed SPA	9-Mar-18
+L-013-18/0	Martin, Malcolm A		MolMed SPA	9-Mar-18
+L-013-18/0	Theodore, (b) (6) Theodore S		MolMed SPA	9-Mar-18
+L-018-18/0	Datta, Sandip Kumar		Forte Biosciences Inc	10-Mar-18
+L-018-18/0	Myles, Ian		Forte Biosciences Inc	10-Mar-18
+L-149-15/0	NIAID		Serum Institute of India Ltd.	13-Mar-18
<i>Note: L-149-15/0 split between FDA; NIAID</i>				
+L-068-16/0	Cheng, Cheng		PaxVax Inc.	14-Mar-18
+L-068-16/0	Merritt, Joshua S.		PaxVax Inc.	14-Mar-18
+L-068-16/0	Schwartz, Richard M.		PaxVax Inc.	14-Mar-18
+L-162-15/0	Boyington, Jeffrey C.		Merck Sharp	15-Mar-18
+L-162-15/0	Chen, Lei		Merck Sharp	15-Mar-18
+L-162-15/0	Chen, Man		Merck Sharp	15-Mar-18
+L-162-15/0	Chuang, Gwo-Yu		Merck Sharp	15-Mar-18
+L-162-15/0	Georgiev, Ivelin S.		Merck Sharp	15-Mar-18
+L-162-15/0	Gorman, Jason		Merck Sharp	15-Mar-18
+L-162-15/0	Graham, Barney S.		Merck Sharp	15-Mar-18
+L-162-15/0	Joyce, Michael G.		Merck Sharp	15-Mar-18
+L-162-15/0	Kanekiyo, Masaru		Merck Sharp	15-Mar-18
+L-162-15/0	Kwong, Peter D.		Merck Sharp	15-Mar-18
+L-162-15/0	McLellan, Jason Scott		Merck Sharp	15-Mar-18
+L-162-15/0	OFEK, GILAD A		Merck Sharp	15-Mar-18
+L-162-15/0	Pancera, Marie L.		Merck Sharp	15-Mar-18
+L-162-15/0	Sastry, Mallika		Merck Sharp	15-Mar-18
+L-162-15/0	Soto, Cinque		Merck Sharp	15-Mar-18
+L-162-15/0	Srivatsan, Sanjay R.		Merck Sharp	15-Mar-18
+L-162-15/0	Stewart-Jones, Guillaume		Merck Sharp	15-Mar-18
+L-162-15/0	YANG, YONGPING		Merck Sharp	15-Mar-18
+L-162-15/0	Zhang, Baoshan		Merck Sharp	15-Mar-18
+L-162-15/0	Zhou, Tongqing		Merck Sharp	15-Mar-18
+L-126-15/1	Chakrabarti, Bimal K		GlaxoSmithKline Biologicals, S.A.	16-Mar-18
+L-126-15/1	Cheng, Cheng		GlaxoSmithKline Biologicals, S.A.	16-Mar-18
+L-126-15/1	(b) (6) Clement K. Asiedu		GlaxoSmithKline Biologicals, S.A.	16-Mar-18
+L-126-15/1	Huang, (b) (6) Yue		GlaxoSmithKline Biologicals, S.A.	16-Mar-18
+L-126-15/1	Mackett, Michael		GlaxoSmithKline Biologicals, S.A.	16-Mar-18
+L-126-15/1	Moss, Bernard		GlaxoSmithKline Biologicals, S.A.	16-Mar-18
+L-126-15/1	Nabel, Gary J		GlaxoSmithKline Biologicals, S.A.	16-Mar-18
+L-126-15/1	Smith, Geoffrey L		GlaxoSmithKline Biologicals, S.A.	16-Mar-18
+L-126-15/1	Sullivan, Nancy J		GlaxoSmithKline Biologicals, S.A.	16-Mar-18
+L-126-15/1	Yang, Zhi-Yong		GlaxoSmithKline Biologicals, S.A.	16-Mar-18
<i>Note: L-126-15/1 split between CDC; NIAID</i>				
+L-245-94/1	Folks, Thomas M		Boston Biomedics	16-Mar-18
+L-245-94/1	Martin, Malcolm A		Boston Biomedics	16-Mar-18
+L-245-94/1	Powell, Douglas M		Boston Biomedics	16-Mar-18
<i>Note: L-245-94/1 split between NCI; NIAID</i>				
+L-041-14/1	Hoshino, Yasutaka		PATH	20-Mar-18
+L-041-14/1	Li, Jianping		PATH	20-Mar-18
+L-041-14/1	Szu, Shousun C		PATH	20-Mar-18

(b) (3) (A), (b) (4), (b) (6)

+L-041-14/1	Wen, Xiaobo	(b)(4); (b)(6)	PATH	20-Mar-18	
+L-093-05/4	Chakrabarti, Bimal K	(b)(4); (b)(6)	Crucell Holland BV	20-Mar-18	
+L-093-05/4	Cheng, Cheng		Crucell Holland BV	20-Mar-18	
+L-093-05/4	(b) (6) Clement K. Asiedu		Crucell Holland BV	20-Mar-18	
+L-093-05/4	Huang, (b) (6) Yue		Crucell Holland BV	20-Mar-18	
+L-093-05/4	Mackett, Michael		Crucell Holland BV	20-Mar-18	
+L-093-05/4	Moss, Bernard		Crucell Holland BV	20-Mar-18	
+L-093-05/4	Nabel, Gary J		Crucell Holland BV	20-Mar-18	
+L-093-05/4	Smith, Geoffrey L		Crucell Holland BV	20-Mar-18	
+L-093-05/4	Sullivan, Nancy J		Crucell Holland BV	20-Mar-18	
+L-093-05/4	Ward, Lucy A.		Crucell Holland BV	20-Mar-18	
+L-093-05/4	Yang, Zhi-Yong		Crucell Holland BV	20-Mar-18	
<i>Note: L-093-05/4 split between CDC; NIAID</i>					
+L-093-05/4	NIAID			Crucell Holland BV	20-Mar-18
<i>Note: L-093-05/4 split between CDC; NIAID</i>					
+L-197-05/5	Chanock, (b) (6) Robert	(b)(4); (b)(6)	Serum Institute of India	21-Mar-18	
+L-197-05/5	Hoshino, Yasutaka		Serum Institute of India	21-Mar-18	
+L-197-05/5	Kapikian, (b) (6) Albert Z		Serum Institute of India	21-Mar-18	
+L-080-06/3	Blaney, Jr., Joseph E	(b)(4); (b)(6)	Panacea Biotech Ltd.	21-Mar-18	
+L-080-06/3	Hanley, Kathryn		Panacea Biotech Ltd.	21-Mar-18	
+L-080-06/3	Lai, Ching-Juh		Panacea Biotech Ltd.	21-Mar-18	
+L-080-06/3	Murphy, Brian R.		Panacea Biotech Ltd.	21-Mar-18	
+L-080-06/3	Whitehead, Stephen S.		Panacea Biotech Ltd.	21-Mar-18	
<i>Note: L-080-06/3 split between FDA; NIAID</i>					
+L-063-18/0	Shevach, Ethan M		Millipore Sigma	22-Mar-18	
+L-020-15/0	Leppla, Stephen H.		KeraFAST	22-Mar-18	
+L-312-01/0	Ohara, Junichi		Mabtech AB	23-Mar-18	
+L-312-01/0	Paul, (b) (6) William E.		Mabtech AB	23-Mar-18	
+L-275-14/0	NIAID		CSL Behring (Australia)	23-Mar-18	
+L-154-06/0	Mackett, Michael	(b)(4); (b)(6)	Merial Limited	27-Mar-18	
+L-154-06/0	Moss, Bernard		Merial Limited	27-Mar-18	
+L-154-06/0	Smith, Geoffrey L		Merial Limited	27-Mar-18	
+L-094-10/0	DeVico, Angela M.		eBioscience	29-Mar-18	
+L-094-10/0	Korty, Patricia E.		eBioscience	29-Mar-18	
+L-094-10/0	Shevach, Ethan M		eBioscience	29-Mar-18	
+L-014-07/4	Kalinina, Olga V.		Life Technologies Corp.	29-Mar-18	
+L-014-07/4	Silver, Jonathan E.		Life Technologies Corp.	29-Mar-18	
+L-268-01/0	Collins, Peter L.		Washington University	29-Mar-18	

(b) (3) (A), (b) (4), (b) (6)

\$3 403 471.02	\$315 818.41	\$3 719 289.43	\$848 356.86	\$2 870 932.57
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+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIAMS
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
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NIH Patent Licensing Activities
NIAMS
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
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NIH Patent Licensing Activities
NIAMS
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-243-16/0	Rao, Mahendra S	(b)(4); (b)	StemCell Technologies Inc.	6-Dec-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-243-16/0 split between NHLBI; NIAMS</i>										
+L-243-16/0	NIAMS		StemCell Technologies Inc.	6-Dec-17						
<i>Note: L-243-16/0 split between NHLBI; NIAMS</i>										

NIH Patent Licensing Activities
NIAMS
January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-164-93/0	Kinet, Jean-Pierre	(b)(4); (b)	Harvard University & Hoffmann La Roche	17-Jan-18						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-164-93/0 split between NIAMS; NIDCR</i>										

NIH Patent Licensing Activities
NIAMS
February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-054-18/0	Plotz, Paul H.	(b)(4);	AVROBIO, Inc	9-Feb-18						(b) (3) (A), (b) (4), (b) (6)
+L-054-18/0	Raben, Nina	(b)(6)	AVROBIO, Inc	9-Feb-18						
+L-054-18/0	Plotz, Paul H.		AVROBIO, Inc	9-Feb-18						
+L-054-18/0	Raben, Nina		AVROBIO, Inc	9-Feb-18						

(b) (3) (A), (b) (4), (b) (6)

+L-243-16/0 Rao, Mahendra S (b)(4); (b) StemCell Technologies Inc.
Note: L-243-16/0 split between NHLBI; NIAMS

14-Feb-18

NIH Patent Licensing Activities
NIAMS
March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-087-18/0	Plotz, Paul H.	(b)(4);	Actus Therapeutics	16-Mar-18						(b) (3) (A), (b) (4), (b) (6)
+L-087-18/0	Raben, Nina	(b)(6)	Actus Therapeutics	16-Mar-18						
+L-087-18/0	Plotz, Paul H.		Actus Therapeutics	16-Mar-18						
+L-087-18/0	Raben, Nina		Actus Therapeutics	16-Mar-18						
					\$218,937.30	\$0.00	\$218,937.30		\$48,178.62	\$170,758.68

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIBIB
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
+L-019-08/0	Phillips, Terence M	(b)(4); (b)	Institut Pasteur	21-Sep-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-019-08/0 split between FDA; NCI; NIAID; NIBIB; NIDDK</i>										
+L-187-14/0	NIBIB		Andor Technology PLC	11-Oct-17						
<i>Note: L-187-14/0 split between NHLBI; NIBIB</i>										
+L-019-08/0	Phillips, Terence M	(b)(4);	Institut Pasteur	12-Oct-17						
<i>Note: L-019-08/0 split between FDA; NCI; NIAID; NIBIB; NIDDK</i>										

NIH Patent Licensing Activities
NIBIB
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
+L-002-14/0	NIBIB		Intelligent Imaging Innovations, Inc.	21-Nov-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-002-14/0 split between NHLBI; NIBIB</i>										
+L-045-04/1	Bungay, Peter M	(b)(4); (b)	Trevigen, Inc.	28-Nov-17						
<i>Note: L-045-04/1 split between NCI; NIBIB</i>										

NIH Patent Licensing Activities
NIBIB
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-318-01/0	Goldstein, Seth R.	(b)(4);	Arcturus	26-Dec-17						(b) (3) (A), (b) (4), (b) (6)
+L-318-01/0	Smith, Paul D.	(b)(6)	Arcturus	26-Dec-17						
<i>Note: L-318-01/0 split between CIT; NIBIB; NICHD</i>										

NIH Patent Licensing Activities
NIBIB
January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-087-07/1	Dedrick, Robert L	(b)(4);	MedGenesis Therapeutix	8-Jan-18						(b) (3) (A), (b) (4), (b) (6)
+L-087-07/1	Morrison, Paul F.	(b)(6)	MedGenesis Therapeutix	8-Jan-18						

Note: (b) (4) split between NCI; NIBIB; NINDS

NIH Patent Licensing Activities
NIBIB
February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-187-14/0	Parekh, Sapun	(b)(4);	Andor Technology PLC	8-Feb-18						(b) (3) (A), (b) (4), (b) (6)
+L-187-14/0	Shroff, Hari	(b)(6)	Andor Technology PLC	8-Feb-18						
+L-187-14/0	York, Andrew G.		Andor Technology PLC	8-Feb-18						
<i>Note: L-187-14/0 split between NHLBI; NIBIB</i>										
+L-045-04/1	Bungay, Peter M	(b)(4); (b)	Trevigen, Inc.	14-Feb-18						
<i>Note: L-045-04/1 split between NCI; NIBIB</i>										
+L-256-14/0	Parekh, Sapun	(b)(4); (b)	VisiTech International	15-Feb-18						
+L-256-14/0	Shroff, Hari	(6)	VisiTech International	15-Feb-18						
+L-256-14/0	York, Andrew G.		VisiTech International	15-Feb-18						
<i>Note: L-256-14/0 split between NHLBI; NIBIB</i>										

NIH Patent Licensing Activities
NIBIB
March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
					\$47,512.55	\$13,713.45	\$61,226.00		\$14,481.22	\$46,744.78

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
 NICHHD
 October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-076-08/0	NICHHD		Emergent Product Development Gaithersbur	4-Oct-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-076-08/0 split between NICHHD; NIDCR; NIDDK</i>										
+L-322-17/0	Chou, Janice Y.	(b)(4); (b)(6)	CRISPR Therapeutics AG	11-Oct-17						
+L-322-17/0	Chou, Janice Y.	(b)(4); (b)(6)	CRISPR Therapeutics AG	11-Oct-17						
+L-293-14/0	Buonanno, Andres		MedImmune, Inc.	24-Oct-17						
+L-293-14/0	Karavanov, Alex A. or Irina		MedImmune, Inc.	24-Oct-17						

NIH Patent Licensing Activities
 NICHHD
 November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
+L-138-93/2	Crouch, Robert J.	(b)(4); (b)(6)	Stratagene	14-Nov-17						(b) (3) (A), (b) (4), (b) (6)
+L-096-17/0	Chou, Janice Y.	(b)(4); (b)(6)	Dimension Therapeutics	28-Nov-17						

NIH Patent Licensing Activities
 NICHHD
 December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-026-13/1	Blithe, Diana L.	(b)(4); (b)(6)	Preglem SA	1-Dec-17						(b) (3) (A), (b) (4), (b) (6)
+L-026-13/1	Nieman, Lynnette K.	(b)(4); (b)(6)	Preglem SA	1-Dec-17						
+L-280-14/1	NICHHD		Arche Opitex Biomedical, Inc.	1-Dec-17						
<i>Note: L-280-14/1 split between NICHHD; NINDS</i>										
+L-322-17/0	Chou, Janice Y.	(b)(4); (b)(6)	CRISPR Therapeutics AG	6-Dec-17						
+L-076-08/0	Robbins, John B.		Emergent Product Development Gaithersbur	7-Dec-17						
+L-076-08/0	Schneerson, Rachel		Emergent Product Development Gaithersbur	7-Dec-17						
<i>Note: L-076-08/0 split between NICHHD; NIDCR; NIDDK</i>										
+L-215-14/0	Bridson, William E.		Quest Diagnostics, Inc.	12-Dec-17						
+L-215-14/0	Hertz, Roy		Quest Diagnostics, Inc.	12-Dec-17						
+L-215-14/0	Kingfield, Joyce G.		Quest Diagnostics, Inc.	12-Dec-17						
+L-215-14/0	Kohler, Peter O		Quest Diagnostics, Inc.	12-Dec-17						
+L-135-13/0	Kubler-Kielb, Joanna		Biologics	20-Dec-17						
+L-135-13/0	Liu, Darrell T		Biologics	20-Dec-17						
+L-135-13/0	Majadly, Fathy D		Biologics	20-Dec-17						
+L-135-13/0	Robbins, John B.		Biologics	20-Dec-17						
+L-135-13/0	Schneerson, Rachel		Biologics	20-Dec-17						

Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK

+L-167-17/0	NICHD		Cyprium Therapeutics Inc.	22-Dec-17
+L-008-18/0	Grinberg, Alexander	(b)(4);	Homology Medicines, Inc.	26-Dec-17
+L-008-18/0	Love, Paul E.	(b)(6)	Homology Medicines, Inc.	26-Dec-17
Note: L-008-18/0 split between NHLBI; NICHD				
+L-318-01/0	Bonner, Robert F		Arcturus	26-Dec-17
Note: L-318-01/0 split between CIT; NIBIB; NICHD				
+L-230-17/0	Chou, Janice Y.		RaNA Therapeutics	28-Dec-17
+L-251-17/0	Chou, Janice Y.		RaNA Therapeutics	28-Dec-17

(b) (3) (A), (b) (4), (b) (6)

**NIH Patent Licensing Activities
NICHD
January 2018**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-009-05/1	Robbins, John B.	(b)(6)	Snaofi Pasteur	18-Jan-18						
+L-009-05/1	Schneerson, Rachel		Snaofi Pasteur	18-Jan-18						
+L-009-05/1	Szu, Shousun C		Snaofi Pasteur	18-Jan-18						
Note: L-009-05/1 split between NCI; NICHD; NIDDK										
+L-271-02/1	Samelson, Lawrence		Biosource International	24-Jan-18						
+L-271-02/1	Zhang, Weiguo		Biosource International	24-Jan-18						

**NIH Patent Licensing Activities
NICHD
February 2018**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-354-98/9	Blye, Richard	(b)(4);	Repros Therapeutics, Inc.	1-Feb-18						
+L-354-98/9	Kim, Hyun Koo	(b)(6)	Repros Therapeutics, Inc.	1-Feb-18						
+L-354-98/9	(b) (4)		Repros Therapeutics, Inc.	1-Feb-18						
+L-033-97/1	Dressler, Gregory R.		Covance Research Products, Inc.	14-Feb-18						
+L-008-18/0	Grinberg, Alexander		Homology Medicines, Inc.	16-Feb-18						
+L-008-18/0	Love, Paul E.		Homology Medicines, Inc.	16-Feb-18						
Note: L-008-18/0 split between NHLBI; NICHD										
+L-008-15/1	Bonner, Robert F		xMD Diagnostics, LLC	20-Feb-18						
Note: L-008-15/1 split between CIT; NCI; NICHD										
+L-008-15/1	NICHD		xMD Diagnostics, LLC	21-Feb-18						
Note: L-008-15/1 split between CIT; NCI; NICHD										

+L-008-15/1	NICHD		xMD Diagnostics, LLC	21-Feb-18
<i>Note: L-008-15/1 split between CIT; NCI; NICHD</i>				
+L-075-14/0	Huang, Freesia	(b)(4);	EMD Millipore Corporation	23-Feb-18
+L-075-14/0	Huang, Kuo-Ping	(b)(6)	EMD Millipore Corporation	23-Feb-18
+L-018-99/1	Dawid, Igor		Chemicon International, Inc.	23-Feb-18
+L-018-99/1	Karavanov, Alex A. or Irina		Chemicon International, Inc.	23-Feb-18
+L-254-02/2	Deligiannidis, Kristina M Galarneau		Chemicon International Inc	23-Feb-18
+L-254-02/2	Klein, David C.		Chemicon International Inc	23-Feb-18
+L-254-02/2	Korf, Horst-Werner		Chemicon International Inc	23-Feb-18
+L-254-02/2	Weller, Joan		Chemicon International Inc	23-Feb-18

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NICHD
March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-026-13/1	Blithe, Diana L.	(b)(4);	Preglem SA	1-Mar-18						(b) (3) (A), (b) (4), (b) (6)
+L-026-13/1	Nieman, Lynnette K.	(b)(6)	Preglem SA	1-Mar-18						
+L-002-09/1	Dressler, Gregory R.		Invitrogen Inc	1-Mar-18						
+L-180-14/0	Dey, Anup K		EMD Millipore Corp.	6-Mar-18						
+L-180-14/0	Ozato Dawid, Keiko		EMD Millipore Corp.	6-Mar-18						
+L-094-15/0	Arnaoutov, Alexei M.		EMD Millipore Corp.	6-Mar-18						
+L-094-15/0	Dasso, Mary C		EMD Millipore Corp.	6-Mar-18						
+L-242-15/0	Buonanno, Andres		EMD Millipore Corp.	6-Mar-18						
+L-242-15/0	Karavanov, Alex A. or Irina		EMD Millipore Corp.	6-Mar-18						
+L-242-15/0	Vullhorst, Detlef		EMD Millipore Corp.	6-Mar-18						
+L-075-14/0	Huang, Freesia		EMD Millipore Corporation	6-Mar-18						
+L-075-14/0	Huang, Kuo-Ping		EMD Millipore Corporation	6-Mar-18						
+L-135-13/0	NICHD		Biologics	6-Mar-18						
<i>Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK</i>										
+L-255-02/2	Huang, Freesia	(b)(4);	Upstate USA, Inc.	7-Mar-18						
+L-255-02/2	Huang, Kuo-Ping	(b)(6)	Upstate USA, Inc.	7-Mar-18						
+L-204-02/2	Chumakov, Ekaterina		Novus Biologicals, LLC	8-Mar-18						
+L-204-02/2	McDonald, John		Novus Biologicals, LLC	8-Mar-18						
+L-204-02/2	Woodgate, Roger		Novus Biologicals, LLC	8-Mar-18						
+L-280-14/1	NICHD		Arche Opitex Biomedical, Inc.	20-Mar-18						
<i>Note: L-280-14/1 split between NICHD; NINDS</i>										
+L-002-09/1	Dressler, Gregory R.	(b)(4);	Invitrogen Inc	21-Mar-18						
+L-079-18/0	Buonanno, Andres	(b)(6)	Millipore Sigma	27-Mar-18						
+L-079-18/0	Vullhorst, Detlef		Millipore Sigma	27-Mar-18						
+L-137-12/0	Ozato Dawid, Keiko		Pierce Biotechnology	29-Mar-18						

+ denotes a manual adjustment which has already been paid to the inventor

\$717 685.55	\$55 276.85	\$772 962.40	\$183 494.73	\$589 467.67
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NIH Patent Licensing Activities
NIDA
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
+L-070-03/2	Zangen, Abraham	(b)(6)	Brainsway, Inc.	16-Oct-17						
<i>Note: L-070-03/2 split between NIDA; NINDS</i>										
+L-070-03/2	Wise, Roy A	(b)(4);	Brainsway, Inc.	16-Oct-17						
+L-070-03/2	Zangen, Abraham	(b)(6)	Brainsway, Inc.	16-Oct-17						
<i>Note: L-070-03/2 split between NIDA; NINDS</i>										

NIH Patent Licensing Activities
NIDA
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
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NIH Patent Licensing Activities
NIDA
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-220-17/0	Newman, Amy H.	(b)(6)	Braeburn Pharmaceuticals Inc.	22-Dec-17						
+L-220-17/0	Shaik, Anerbasha		Braeburn Pharmaceuticals Inc.	22-Dec-17						
+L-245-17/0	Cao, Jianjing		Braeburn Pharmaceuticals Inc.	22-Dec-17						
+L-245-17/0	Cyriac, George C.		Braeburn Pharmaceuticals Inc.	22-Dec-17						
+L-245-17/0	Grundt, Peter		Braeburn Pharmaceuticals Inc.	22-Dec-17						
+L-245-17/0	Newman, Amy H.		Braeburn Pharmaceuticals Inc.	22-Dec-17						

NIH Patent Licensing Activities
NIDA
January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-070-03/2	Zangen, Abraham	(b)(6)	Brainsway, Inc.	2-Jan-18						
<i>Note: L-070-03/2 split between NIDA; NINDS</i>										

NIH Patent Licensing Activities
 NIDA
 February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
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NIH Patent Licensing Activities
 NIDA
 March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
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— (b) (3) (A), (b) (4), (b) (6)

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIDCD
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-111-06/0	NIDCD		ICAD Inc	17-Oct-17						(b) (3) (A), (b) (4)

Note: L-111-06/0 split between CC; CIT; NIDCD

NIH Patent Licensing Activities
NIDCD
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
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NIH Patent Licensing Activities
NIDCD
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
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NIH Patent Licensing Activities
NIDCD
January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
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NIH Patent Licensing Activities
NIDCD
February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-214-92/8	RJ Wenthold, (b) (6)	(b)(4); (b)(6)	EMD Chemicals	23-Feb-18						(b) (3) (A), (b) (4), (b) (6)
*+L-214-92/8	RJ Wenthold, (b) (6)	(b)(4); (b)(6)	EMD Chemicals	23-Feb-18						
*+L-214-92/8	RJ Wenthold, (b) (6)	(b)(4); (b)(6)	EMD Chemicals	23-Feb-18						

NIH Patent Licensing Activities
NIDCD

March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Mi	Patent	Total March	License Cumulative	Inventor Awards	Net Remaining to
+L-214-92/7	RJ Wenthold	(b) (6)	(b)(4); (b) (6) EMD Chemicals	1-Mar-18						(b) (3) (A), (b) (4), (b) (6)
+L-077-98/2	RJ Wenthold		Chemicon International, Inc.	6-Mar-18						
+L-214-92/8	RJ Wenthold		EMD Chemicals	22-Mar-18						

* denotes an adjustment to fix a problem from a previous month
 + denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIDCR
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
L-072-10/0	NIDCR		Mesoblast Inc.	22-Sep-17						(b) (3) (A), (b) (4), (b) (6)
+L-113-00/0	Adler, Jon Elliot	(b)(4);	University of California	26-Sep-17						
+L-113-00/0	Hoon, Mark	(b)(6)	University of California	26-Sep-17						
+L-113-00/0	Ryba, Nicholas		University of California	26-Sep-17						
+L-008-10/0	Erlenbach, Isolde		Regents Univ California	26-Sep-17						
+L-008-10/0	Hoon, Mark		Regents Univ California	26-Sep-17						
+L-008-10/0	Ryba, Nicholas		Regents Univ California	26-Sep-17						
+L-076-08/0	NIDCR		Emergent Product Development Gaithersbur	4-Oct-17						
<i>Note: L-076-08/0 split between NICHHD; NIDCR; NIDDK</i>										
+L-152-17/0	Akiyama, Steven	(b)(4);	EMD Millipore Corporation	23-Oct-17						
+L-152-17/0	Yamada, Kenneth	(b)(6)	EMD Millipore Corporation	23-Oct-17						
+L-152-17/0	Yamada, Susan Sleeper		EMD Millipore Corporation	23-Oct-17						

NIH Patent Licensing Activities
NIDCR
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
+L-102-17/0	Keith, Jerry M	(b)(4);	Inventprise LLC	17-Nov-17						(b) (3) (A), (b) (4), (b) (6)
+L-102-17/0	Merkel, Todd J.	(b)(6)	Inventprise LLC	17-Nov-17						
+L-102-17/0	Yang, Xiaoming		Inventprise LLC	17-Nov-17						
+L-048-03/1	NIDCR		Lees Pharmaceutical (HK) LTD	20-Nov-17						
+L-142-12/1	Kleinman, Hynda	(b)(4);	Odin Biotech, LLC	27-Nov-17						
<i>Note: L-142-12/1 split between NEI; NIDCR</i>										

NIH Patent Licensing Activities
NIDCR
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-152-02/3	Leppla, Stephen H.	(b)(4);	Emergent BioDefense	1-Dec-17						(b) (3) (A), (b) (4), (b) (6)
+L-152-02/3	Park, Sukjoon	(b)(6)	Emergent BioDefense	1-Dec-17						
+L-152-02/3	Quinn, Conrad P.		Emergent BioDefense	1-Dec-17						
+L-152-02/3	Singh, Yogendra		Emergent BioDefense	1-Dec-17						
<i>Note: L-152-02/3 split between NIAID; NIDCR</i>										

+L-088-12/0	NIDCR		Sangamo BioSciences Inc	4-Dec-17
<i>Note: L-088-12/0 split between NHLBI; NIDCR</i>				
+L-116-11/3	Chiorini, John A.	(b)(4);	uniQure B.V.	6-Dec-17
<i>Note: L-116-11/3 split between NHLBI; NIDCR</i>				
+L-076-08/0	Hsu, Su-Cheng Dana		Emergent Product Development Gaithersbur	7-Dec-17
+L-076-08/0	Leppla, Stephen H.		Emergent Product Development Gaithersbur	7-Dec-17
+L-076-08/0	Rosovitz, Mary Jo		Emergent Product Development Gaithersbur	7-Dec-17
<i>Note: L-076-08/0 split between NICHD; NIDCR; NIDDK</i>				
+L-020-18/0	Chiorini, John A.	(b)(4);	MeiraGTx, LLC	11-Dec-17
+L-020-18/0	Pasquale, Giovanni Di	(b)(6)	MeiraGTx, LLC	11-Dec-17
+L-248-15/0	Burbelo, Peter D.		InBios International, Inc.	19-Dec-17
+L-248-15/0	Iadarola, Michael J.		InBios International, Inc.	19-Dec-17
<i>Note: L-248-15/0 split between NIAID; NIDCR</i>				
+L-135-13/0	Hsu, Su-Cheng Dana		Biologics	20-Dec-17
+L-135-13/0	Leppla, Stephen H.		Biologics	20-Dec-17
+L-135-13/0	Rosovitz, Mary Jo		Biologics	20-Dec-17
<i>Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK</i>				
+L-181-14/0	Burbelo, Peter D.	(b)(4);	InBios International Inc	20-Dec-17
<i>Note: L-181-14/0 split between NIAID; NIDCR</i>				
+L-048-03/1	Elkin, Michael		Lees Pharmaceutical (HK) LTD	28-Dec-17
+L-048-03/1	Kleinman, Hynda		Lees Pharmaceutical (HK) LTD	28-Dec-17
+L-048-03/1	Philp, Deborah		Lees Pharmaceutical (HK) LTD	28-Dec-17

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NIDCR
January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-116-11/3	NIDCR		uniQure B.V.	12-Jan-18						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-116-11/3 split between NHLBI; NIDCR</i>										
+L-171-08/0	Siraganian, Reuben	(b)(4);	BD BIOSCIENCES	17-Jan-18						
+L-111-17/0	Akiyama, Steven	(b)(6)	BD Biosciences	17-Jan-18						
+L-111-17/0	Yamada, Kenneth		BD Biosciences	17-Jan-18						
+L-164-93/0	Siraganian, Reuben		Harvard University & Hoffmann La Roche	17-Jan-18						
<i>Note: L-164-93/0 split between NIAMS; NIDCR</i>										
+L-102-09/0	Siraganian, Reuben		Morphosys UK Ltd.	24-Jan-18						
+L-268-99/1	Kleinman, Hynda		RegeneRX Biopharma	24-Jan-18						
+L-268-99/1	Malinda, Katherine M		RegeneRX Biopharma	24-Jan-18						
+L-072-10/0	Gronthos, Stan		Mesoblast Inc.	25-Jan-18						

+L-072-10/0	Miura, Masako	(b)(4);	Mesoblast Inc.	25-Jan-18
+L-072-10/0	Robey, Pamela G.	(b)(6)	Mesoblast Inc.	25-Jan-18
+L-072-10/0	Seo, Byoung-Moo		Mesoblast Inc.	25-Jan-18
+L-072-10/0	Shi, Songtao		Mesoblast Inc.	25-Jan-18

(b) (3) (A), (b) (4), (b) (6)

**NIH Patent Licensing Activities
NIDCR
February 2018**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-115-00/2	Leppla, Stephen H.	(b)(4);	List Biological Laboratories, Inc.	14-Feb-18						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-115-00/2 split between NIAID; NIDCR</i>										
+L-343-01/0	Keith, Jerry M	(b)(6)	List Biological Laboratories, Inc.	14-Feb-18						
+L-343-01/0	Merkel, Todd J.		List Biological Laboratories, Inc.	14-Feb-18						
+L-343-01/0	Yang, Xiaoming		List Biological Laboratories, Inc.	14-Feb-18						
+L-181-14/0	Burbelo, Peter D.		InBios International Inc	22-Feb-18						
<i>Note: L-181-14/0 split between NIAID; NIDCR</i>										

**NIH Patent Licensing Activities
NIDCR
March 2018**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-182-17/0	Kulkarni, Ashok	(b)(4);	Freeline Therapeutics Limited	1-Mar-18						(b) (3) (A), (b) (4), (b) (6)
+L-182-17/0	Ohshima, Toshio	(b)(6)	Freeline Therapeutics Limited	1-Mar-18						
<i>Note: L-182-17/0 split between NIDCR; NINDS</i>										
+L-024-17/1	Fisher, Larry		KeraFAST	1-Mar-18						
+L-111-17/0	Akiyama, Steven		BD Biosciences	6-Mar-18						
+L-111-17/0	Yamada, Kenneth		BD Biosciences	6-Mar-18						
+L-233-14/0	Fisher, Larry		EMD Millipore Corporation	6-Mar-18						
+L-152-17/0	Akiyama, Steven		EMD Millipore Corporation	6-Mar-18						
+L-152-17/0	Yamada, Kenneth		EMD Millipore Corporation	6-Mar-18						
+L-152-17/0	Yamada, Susan Sleeper		EMD Millipore Corporation	6-Mar-18						
+L-135-13/0	NIDCR		Biologics	6-Mar-18						
<i>Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK</i>										
+L-248-15/0	Burbelo, Peter D.	(b)(4);	InBios International, Inc.	8-Mar-18						
+L-248-15/0	Iadarola, Michael J.	(b)(6)	InBios International, Inc.	8-Mar-18						
<i>Note: L-248-15/0 split between NIAID; NIDCR</i>										

\$207,049.46	\$40,336.65	\$247,386.11	\$56,027.10	\$191,359.01
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+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIDDK
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
+L-019-08/0	Kopp, Jeffrey B	(b)(4); (b)(6)	Institut Pasteur	21-Sep-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-019-08/0 split between FDA; NCI; NIAID; NIBIB; NIDDK</i>										
+L-332-17/0	Jacobson, Kenneth A	(b)(4); (b)(6)	Biointervene Inc.	4-Oct-17						
+L-332-17/0	Melman, Artem	(6)	Biointervene Inc.	4-Oct-17						
+L-076-08/0	NIDDK		Emergent Product Development Gaithersbur	4-Oct-17						
<i>Note: L-076-08/0 split between NICHD; NIDCR; NIDDK</i>										
+L-019-08/0	Kopp, Jeffrey B	(b)(4); (b)(6)	Institut Pasteur	12-Oct-17						
<i>Note: L-019-08/0 split between FDA; NCI; NIAID; NIBIB; NIDDK</i>										
+L-088-03/5	NIDDK		International Medica Foundation	17-Oct-17						
<i>Note: L-088-03/5 split between NIAID; NIDDK</i>										

NIH Patent Licensing Activities
NIDDK
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
+L-339-17/0	Appella, Daniel H	(b)(4); (b)(6)	Altra Tech Ltd	14-Nov-17						(b) (3) (A), (b) (4), (b) (6)
+L-339-17/0	Englund, Ethan A.	(6)	Altra Tech Ltd	14-Nov-17						
+L-339-17/0	Micklitsch, Christopher		Altra Tech Ltd	14-Nov-17						
+L-339-17/0	Oquare, Bereket		Altra Tech Ltd	14-Nov-17						
+L-339-17/0	Wang, Deyun		Altra Tech Ltd	14-Nov-17						
+L-339-17/0	Zhang, Ning		Altra Tech Ltd	14-Nov-17						
+L-339-17/0	Zhao, Chao		Altra Tech Ltd	14-Nov-17						
+L-324-17/0	Jacobson, Kenneth A		FM Therapeutics Co., Ltd.	21-Nov-17						

NIH Patent Licensing Activities
NIDDK
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-159-07/2	Schechter, Alan N.	(b)(4); (b)(6)	Hope Pharmaceuticals	5-Dec-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-159-07/2 split between CC; NHLBI; NIDDK; NINDS</i>										
+L-143-07/2	Schechter, Alan N.	(b)(4); (b)(6)	Hope Pharmaceuticals	5-Dec-17						
<i>Note: L-143-07/2 split between CC; NHLBI; NIDDK</i>										
+L-076-08/0	Ramirez, Delia	(b)(4); (b)(6)	emergent Product Development Gaithersbur	7-Dec-17						

+L-076-08/0 Shiloach, Joseph (b)(4); (b)(6) Emergent Product Development Gaithersbur 7-Dec-17
Note: L-076-08/0 split between NICHD; NIDCR; NIDDK

+L-088-03/5 NIDDK International Medica Foundation 12-Dec-17
Note: L-088-03/5 split between NIAID; NIDDK

+L-132-12/2 Chandramohan, Dhruva (b)(4); Metalogics Corp 19-Dec-17
 +L-132-12/2 Chou, Carson C. (b)(6) Metalogics Corp 19-Dec-17
 +L-132-12/2 Hall, Kevin Metalogics Corp 19-Dec-17

+L-132-12/2 NIDDK Metalogics Corp 19-Dec-17

+L-135-13/0 Shiloach, Joseph (b)(4); Biologics 20-Dec-17
Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NIDDK
January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-075-17/0	Melman, Artem	(b)(6)	Biointervene Inc.	1-Jan-18						
+L-075-17/0	(b) (4)		Biointervene Inc.	1-Jan-18						
+L-075-17/0	Tosh, Dilip K.		Biointervene Inc.	1-Jan-18						
+L-208-15/0	NIDDK		Virotas Biopharmaceuticals, LLC	3-Jan-18						
<i>Note: L-208-15/0 split between NCATS; NIDDK</i>										
+L-159-07/2	NIDDK		Hope Pharmaceuticals	3-Jan-18						
<i>Note: L-159-07/2 split between CC; NHLBI; NIDDK; NINDS</i>										
+L-044-09/0	Gao, Zhan-Guo	(b)(4);	Leiden University	9-Jan-18						
+L-044-09/0	Jacobson, Kenneth A	(b)(6)	Leiden University	9-Jan-18						
+L-283-17/0	Jacobson, Kenneth A		Tocris Cookson Ltd.	16-Jan-18						
+L-283-17/0	Tosh, Dilip K.		Tocris Cookson Ltd.	16-Jan-18						
+L-009-05/1	Shiloach, Joseph		Snaofi Pasteur	18-Jan-18						
<i>Note: L-009-05/1 split between NCI; NICHD; NIDDK</i>										
+L-251-99/0	Lewis, Edgar Neil	(b)(4);	HyperMed, Inc.	24-Jan-18						

NIH Patent Licensing Activities
NIDDK
February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC

+L-125-96/3	Sauer, Brian	(b)(4); (b)(6)	Covance Research Products, Inc.	14-Feb-18	(b) (3) (A), (b) (4), (b) (6)
+L-173-15/1	Ge, Kai		EMD Millipore Corporation	23-Feb-18	
+L-173-15/1	Lee, Ji-Eun		EMD Millipore Corporation	23-Feb-18	

**NIH Patent Licensing Activities
NIDDK
March 2018**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-214-14/0	Simonds, William F.	(b)(4); (b)(6)	EMD Millipore Corp	6-Mar-18						(b) (3) (A), (b) (4), (b) (6)
+L-214-14/0	Zhang, Jianhua	(b)(4); (b)(6)	EMD Millipore Corp	6-Mar-18						
+L-242-13/0	Proia, Richard L	(b)(4); (b)(6)	EMD Millipore Corp.	6-Mar-18						
+L-001-14/0	Proia, Richard L	(b)(4); (b)(6)	EMD Millipore Corp.	6-Mar-18						
+L-135-13/0	NIDDK		Biologics	6-Mar-18						
<i>Note: L-135-13/0 split between NIAID; NICHD; NIDCR; NIDDK</i>										
+L-265-02/0	Jacobson, Kenneth A	(b)(4); (b)(6)	ocris Cookson, Ltd.	19-Mar-18						
<i>Note: L-265-02/0 split between NCI; NIDDK</i>										
+L-155-07/1	Daly, (b) (6) John W	(b)(4); (b)(6)	atoxan S.A S.	21-Mar-18						
+L-155-07/1	Daly, (b) (6) John W	(b)(4); (b)(6)	atoxan S.A S.	21-Mar-18						
+L-047-03/0	Goldsmith, Paul K	(b)(4); (b)(6)	ffinity Bioreagents Inc	21-Mar-18						
+L-047-03/0	Spiegel, Allen M.	(b)(4); (b)(6)	ffinity Bioreagents Inc	21-Mar-18						
					\$117,799.38	\$4,952.35	\$122,751.73		\$43,554.30	\$79,197.43

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIEHS
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
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NIH Patent Licensing Activities
NIEHS
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
+L-134-13/0	Mishina, Yuji	(b)(4); (b)(6)	Clementia Pharmaceuticals Inc	27-Nov-17						(b) (3) (A), (b) (4), (b) (6)
+L-134-13/0	Ray, Manas K.	(6)	Clementia Pharmaceuticals Inc	27-Nov-17						
+L-134-13/0	Scott, Gregory J.		Clementia Pharmaceuticals Inc	27-Nov-17						

NIH Patent Licensing Activities
NIEHS
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-244-16/0	(b) (4)	(b)(4); (b)(6)	Sumitomo Pharmaceuticals	22-Dec-17						(b) (3) (A), (b) (4), (b) (6)
+L-244-16/0	Moore, Rickie	(b)(6)	Sumitomo Pharmaceuticals	22-Dec-17						
+L-244-16/0	Negishi, Masahiko		Sumitomo Pharmaceuticals	22-Dec-17						

NIH Patent Licensing Activities
NIEHS
January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
+L-359-14/0	de Morais, Sonia	(b)(4); (b)(6)	Gentris Corporation	17-Jan-18						(b) (3) (A), (b) (4), (b) (6)
+L-359-14/0	Goldstein, Joyce	(6)	Gentris Corporation	17-Jan-18						
+L-359-14/0	de Morais, Sonia		Gentris Corporation	17-Jan-18						
+L-359-14/0	Goldstein, Joyce		Gentris Corporation	17-Jan-18						
+L-080-94/3	(b) (4)		Oxford Biomedical Research, Inc.	30-Jan-18						
+L-080-94/3	Wetsel, William		Oxford Biomedical Research, Inc.	30-Jan-18						
+L-075-02/1	DiAugustine, Richard P		Oxford Biomedical Research Inc	30-Jan-18						
+L-075-02/1	Eling, Thomas E		Oxford Biomedical Research Inc	30-Jan-18						
+L-075-02/1	Nixon, Jennifer		Oxford Biomedical Research Inc	30-Jan-18						

NIH Patent Licensing Activities
NIEHS
February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-119-10/0	Mason, Ronald P.	(b)(6)	StressMarq Biosci.	1-Feb-18						
+L-119-10/0	Summers, Fiona A.		StressMarq Biosci.	1-Feb-18						
+L-144-04/2	Ehrenshaft, Marilyn I		Cayman Chemical Company	6-Feb-18						
+L-144-04/2	Mason, Ronald P.		Cayman Chemical Company	6-Feb-18						
+L-010-05/4	DiAugustine, Richard P		Millipore Corporation	23-Feb-18						
+L-010-05/4	Teng, Christina T.		Millipore Corporation	23-Feb-18						

NIH Patent Licensing Activities
NIEHS
March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-021-15/0	Bradbury, Jennifer Alyce		EMD Millipore Corp.	6-Mar-18						
+L-021-15/0	Graves, Joan P.		EMD Millipore Corp.	6-Mar-18						
+L-021-15/0	Zeldin, Darryl C		EMD Millipore Corp.	6-Mar-18						
+L-023-15/0	Bradbury, Jennifer Alyce		EMD Millipore Corp.	6-Mar-18						
+L-023-15/0	Zeldin, Darryl C		EMD Millipore Corp.	6-Mar-18						
<i>Note: L-023-15/0 split between NCI; NIEHS</i>										
+L-090-12/0	Blackshear, Perry J		Millipore Corp	6-Mar-18						
+L-090-12/0	Kennington, Elizabeth A.		Millipore Corp	6-Mar-18						
+L-010-05/4	DiAugustine, Richard P		Millipore Corporation	7-Mar-18						
+L-010-05/4	Teng, Christina T.		Millipore Corporation	7-Mar-18						
+L-275-97/1	Cidlowski, John A.		Affinity BioReagents	21-Mar-18						
+L-275-97/1	Oakley, Robert		Affinity BioReagents	21-Mar-18						
+L-042-01/2	Beckley, Amy J.		Pierce Biotechnology	29-Mar-18						
+L-042-01/2	Cidlowski, John A.		Pierce Biotechnology	29-Mar-18						
+L-063-93/1	Eddy, Edward		Affinity BioReagents	29-Mar-18						
					\$42,170.45	\$0.00	\$42,170.45		\$22,743.59	\$19,426.86

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NIMH
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
+L-025-17/1	Zarate, Carlos A.	(b)(4); (b)(6)	Tocris Bioscience	26-Sep-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-025-17/1 split between NCATS; NIA; NIMH</i>										
+L-302-14/0	Axelrod, (b) (6) Julius		KannaLife Sciences, Inc.	28-Sep-17						
+L-302-14/0	Hampson, Aidan J.		KannaLife Sciences, Inc.	28-Sep-17						
<i>Note: L-302-14/0 split between NIMH; NINDS</i>										
+L-036-04/0	Eiden, Maribeth V.		Monogram Biologics	4-Oct-17						
+L-036-04/0	Wilson, Carolyn A.		Monogram Biologics	4-Oct-17						
<i>Note: L-036-04/0 split between NCI; NIAID; NIMH</i>										
+L-113-12/0	Axelrod, (b) (6) Julius		KannaLife Sciences, Inc.	5-Oct-17						
+L-113-12/0	Hampson, Aidan J.		KannaLife Sciences, Inc.	5-Oct-17						
<i>Note: L-113-12/0 split between NIMH; NINDS</i>										
+L-328-17/0	Cohen, Robert M.		PsychoGenics Inc.	24-Oct-17						
+L-328-17/0	Ye, Daniel		PsychoGenics Inc.	24-Oct-17						
+L-328-17/0	Cohen, Robert M.		PsychoGenics Inc.	24-Oct-17						
+L-328-17/0	Ye, Daniel		PsychoGenics Inc.	24-Oct-17						

NIH Patent Licensing Activities
NIMH
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
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NIH Patent Licensing Activities
NIMH
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-025-17/1	Zarate, Carlos A.	(b)(4); (b)(6)	Tocris Bioscience	1-Dec-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-025-17/1 split between NCATS; NIA; NIMH</i>										

NIH Patent Licensing Activities
NIMH
January 2018

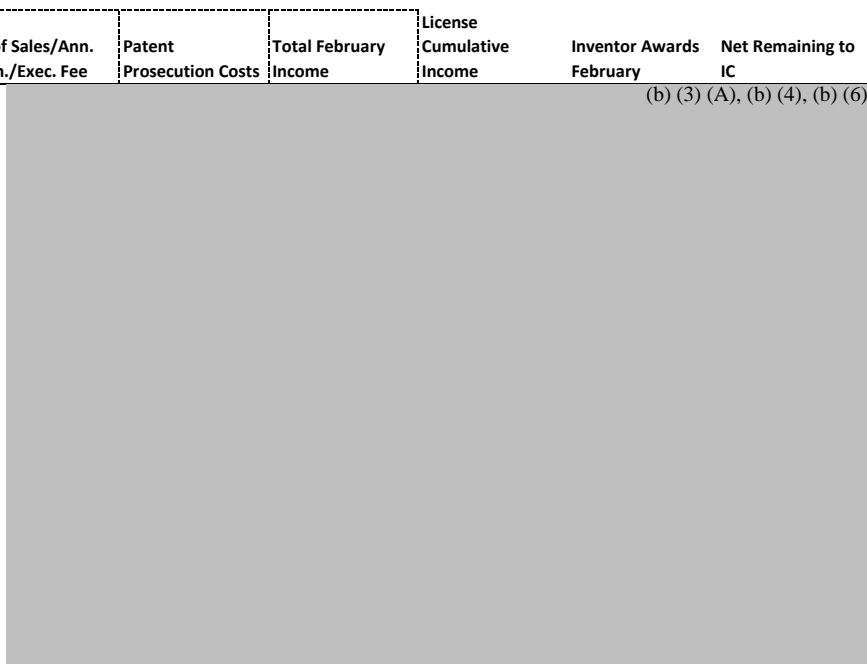
License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
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+L-328-17/0	Cohen, Robert M.	(b)(4);	PsychoGenics Inc.	4-Jan-18
+L-328-17/0	Ye, Daniel	(b)(6)	PsychoGenics Inc.	4-Jan-18
+L-050-11/0	Dold, George R.		Passy-Muir Inc	8-Jan-18
+L-050-11/0	Morgan, Newlin T.		Passy-Muir Inc	8-Jan-18
<i>Note: L-050-11/0 split between NIMH; NINDS</i>				
+L-313-14/0	Hu, Huaizhong		Angimmune LLC	8-Jan-18
+L-313-14/0	Ma, Shenglin		Angimmune LLC	8-Jan-18
+L-313-14/0	Neville, David		Angimmune LLC	8-Jan-18
+L-313-14/0	Scharff, Joshua		Angimmune LLC	8-Jan-18
+L-313-14/0	Thompson, Jerry		Angimmune LLC	8-Jan-18
+L-313-14/0	(b) (4)		Angimmune LLC	8-Jan-18
+L-313-14/0	(b) (4)		Angimmune LLC	8-Jan-18
+L-313-14/0	Woo, Jung-Hee		Angimmune LLC	8-Jan-18
+L-302-14/0	NIMH		KannaLife Sciences, Inc.	17-Jan-18
<i>Note: L-302-14/0 split between NIMH; NINDS</i>				
+L-292-17/0	Axelrod, (b) (6) Julius	(b)(4);	Royal Beverage, LLC DBA Orgaceutical Co.	18-Jan-18
+L-292-17/0	Hampson, Aidan J.	(b)(6)	Royal Beverage, LLC DBA Orgaceutical Co.	18-Jan-18
<i>Note: L-292-17/0 split between NIMH; NINDS</i>				



**NIH Patent Licensing Activities
NIMH
February 2018**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-047-11/0	Cai, Lisheng	(b)(4);	Advanced Image Projects, Inc.	1-Feb-18						(b) (3) (A), (b) (4), (b) (6)
+L-047-11/0	Innis, Robert B.	(b)(6)	Advanced Image Projects, Inc.	1-Feb-18						
+L-047-11/0	Pike, Victor W.		Advanced Image Projects, Inc.	1-Feb-18						
+L-047-11/0	Cai, Lisheng		Advanced Image Projects, Inc.	1-Feb-18						
+L-047-11/0	Innis, Robert B.		Advanced Image Projects, Inc.	1-Feb-18						
+L-047-11/0	Pike, Victor W.		Advanced Image Projects, Inc.	1-Feb-18						
+L-047-11/0	NIMH		Advanced Image Projects, Inc.	1-Feb-18						
+L-064-10/1	NIMH		Angimmune LLC	12-Feb-18						
+L-064-10/1	Hu, Huaizhong	(b)(4);	Angimmune LLC	12-Feb-18						
+L-064-10/1	Liu, Yuan Yi	(b)(6)	Angimmune LLC	12-Feb-18						
+L-064-10/1	Ma, Shenglin		Angimmune LLC	12-Feb-18						
+L-064-10/1	Neville, David		Angimmune LLC	12-Feb-18						
+L-064-10/1	Scharff, Joshua		Angimmune LLC	12-Feb-18						
+L-064-10/1	Thompson, Jerry		Angimmune LLC	12-Feb-18						
+L-064-10/1	(b) (4)		Angimmune LLC	12-Feb-18						
+L-064-10/1	(b) (4)		Angimmune LLC	12-Feb-18						
+L-064-10/1	Woo, Jung-Hee		Angimmune LLC	12-Feb-18						
+L-018-10/0	Manji, Husseini K.		Mount Sinai Med Cntr	13-Feb-18						
+L-018-10/0	Zarate, Carlos A.		Mount Sinai Med Cntr	13-Feb-18						



+L-327-02/0	Kowalak, Jeffrey A.	(b)(4);	Shimadzu Corp.	21-Feb-18
+L-327-02/0	Markey, Sanford P.	(b)(6)	Shimadzu Corp.	21-Feb-18
+L-327-02/0	Masuda, Junichi		Shimadzu Corp.	21-Feb-18
+L-327-02/0	Unsworth, Edward J.		Shimadzu Corp.	21-Feb-18
+L-274-97/1	Jacobowitz, David		Chemicon International	23-Feb-18
+L-274-97/1	Winsky, Lois		Chemicon International	23-Feb-18
+L-231-94/3	Jacobowitz, David		Millipore Sigma	23-Feb-18
+L-231-94/3	Strauss, Kenneth I		Millipore Sigma	23-Feb-18
+L-231-94/3	Winsky, Lois		Millipore Sigma	23-Feb-18
+L-165-97/2	Jacobowitz, David		Millipore Sigma	23-Feb-18
+L-165-97/2	Winsky, Lois		Millipore Sigma	23-Feb-18
+L-201-98/1	Jacobowitz, David		Millipore Corp.	23-Feb-18
+L-201-98/1	Winsky, Lois		Millipore Corp.	23-Feb-18



(b) (3) (A), (b) (4), (b) (6)

**NIH Patent Licensing Activities
NIMH
March 2018**

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-231-94/3	Jacobowitz, David	(b)(4);	Millipore Sigma	7-Mar-18						(b) (3) (A), (b) (4), (b) (6)
+L-231-94/3	Strauss, Kenneth I	(b)(6)	Millipore Sigma	7-Mar-18						
+L-231-94/3	Winsky, Lois		Millipore Sigma	7-Mar-18						
+L-165-97/2	Jacobowitz, David		Millipore Sigma	7-Mar-18						
+L-165-97/2	Winsky, Lois		Millipore Sigma	7-Mar-18						
					\$131,207.50	\$41,667.49	\$172,874.99		\$45,362.89	\$127,512.10

+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NINDS
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
+L-302-14/0	Grimaldi, Maurizio	(b)(4);	KannaLife Sciences, Inc.	28-Sep-17						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-302-14/0 split between NIMH; NINDS</i>										
+L-086-99/0	Batthey, James F.	(b)(6)	Receptor Biology, Inc.	2-Oct-17						
+L-086-99/0	Wada, Etsuko		Receptor Biology, Inc.	2-Oct-17						
+L-113-12/0	Grimaldi, Maurizio		KannaLife Sciences, Inc	5-Oct-17						
<i>Note: L-113-12/0 split between NIMH; NINDS</i>										
+L-070-03/2	Hallett, Mark		Brainsway, Inc.	16-Oct-17						
+L-070-03/2	Miranda, Pedro		Brainsway, Inc.	16-Oct-17						
+L-070-03/2	Roth, Yiftach		Brainsway, Inc.	16-Oct-17						
<i>Note: (b) (4) split between NIDA; NINDS</i>										
+L-070-03/2	Hallett, Mark		Brainsway, Inc.	16-Oct-17						
+L-070-03/2	Miranda, Pedro		Brainsway, Inc.	16-Oct-17						
+L-070-03/2	Roth, Yiftach		Brainsway, Inc.	16-Oct-17						
<i>Note: L-070-03/2 split between NIDA; NINDS</i>										
+L-208-01/3	Hou, Jean		Millipore Sigma	17-Oct-17						
+L-208-01/3	Major, Eugene O		Millipore Sigma	17-Oct-17						
+L-208-01/3	Messam, Conrad A		Millipore Sigma	17-Oct-17						
+L-208-01/3	Hou, Jean		Millipore Sigma	17-Oct-17						
+L-208-01/3	Major, Eugene O		Millipore Sigma	17-Oct-17						
+L-208-01/3	Messam, Conrad A		Millipore Sigma	17-Oct-17						
+L-304-17/0	Youle, Richard J.		Genentech. Inc.	26-Oct-17						

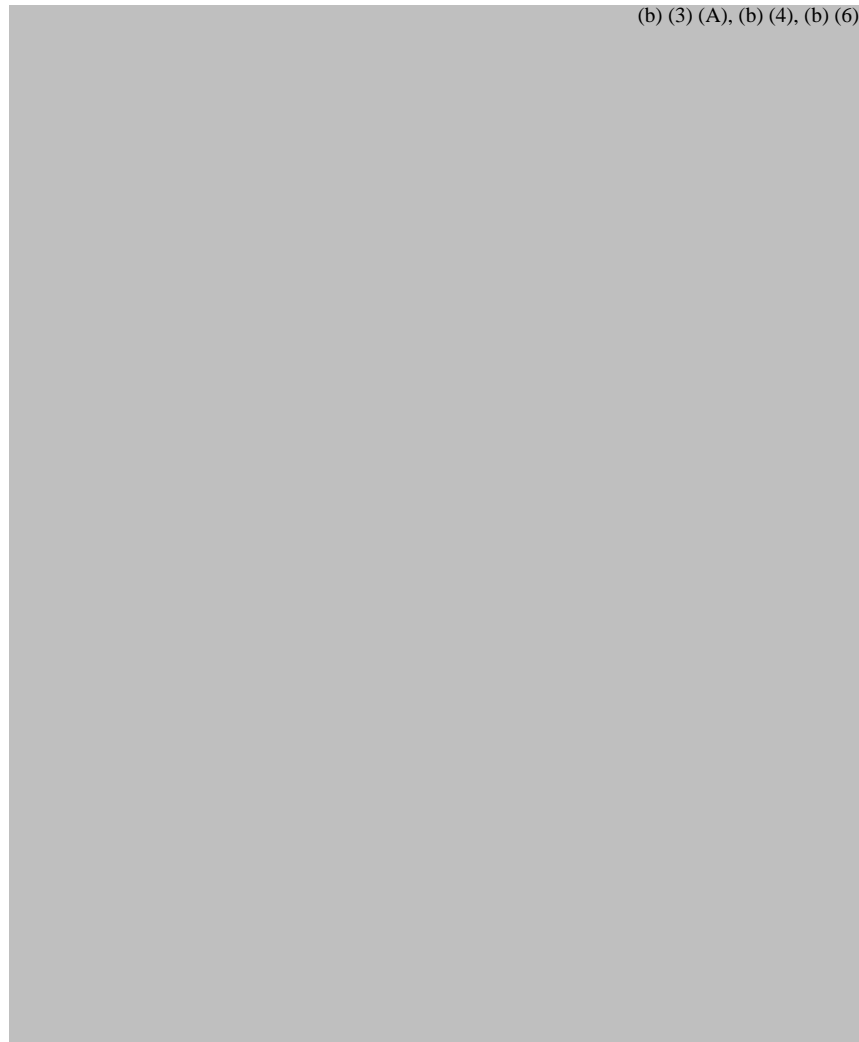
NIH Patent Licensing Activities
NINDS
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
+L-121-08/0	NINDS		Medtronic Inc	22-Nov-17						(b) (3) (A), (b) (4)
<i>Note: L-121-08/0 split between NCI; NINDS</i>										

NIH Patent Licensing Activities
NINDS
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
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+L-083-11/0	Bielekova, Bibiana B	(b)(4);	Abbott Biotherapeutics Corp.	1-Dec-17
+L-083-11/0	Martin, Roland	(b)(6)	Abbott Biotherapeutics Corp.	1-Dec-17
+L-083-11/0	McFarland, Henry F.		Abbott Biotherapeutics Corp.	1-Dec-17
<i>Note: L-083-11/0 split between NCI; NINDS</i>				
+L-280-14/1	NINDS		Arche Opitex Biomedical, Inc.	1-Dec-17
<i>Note: L-280-14/1 split between NICHD; NINDS</i>				
+L-159-07/2	Oldfield, (b)(6) Edward H.	(b)(4);	Hope Pharmaceuticals	5-Dec-17
+L-159-07/2	Pluta, Ryszard M	(b)(6)	Hope Pharmaceuticals	5-Dec-17
<i>Note: L-159-07/2 split between CC; NHLBI; NIDDK; NINDS</i>				
+L-208-01/3	Hou, Jean	(b)(4);	Millipore Sigma	12-Dec-17
+L-208-01/3	Major, Eugene O	(b)(6)	Millipore Sigma	12-Dec-17
+L-208-01/3	Messam, Conrad A		Millipore Sigma	12-Dec-17
+L-085-13/0	Bielekova, Bibiana B		Santhera Pharmaceuticals AG	12-Dec-17
+L-085-13/0	McFarland, Henry F.		Santhera Pharmaceuticals AG	12-Dec-17
+L-060-14/0	Goda, Shuichira		Charcot-Marie-Tooth Association	18-Dec-17
+L-060-14/0	Hammer, Jeffrey A.		Charcot-Marie-Tooth Association	18-Dec-17
+L-060-14/0	Quarles, Richard H.		Charcot-Marie-Tooth Association	18-Dec-17
+L-060-14/0	Sasagasako, Naokazu		Charcot-Marie-Tooth Association	18-Dec-17
+L-060-14/0	Toda, Kenichi		Charcot-Marie-Tooth Association	18-Dec-17
+L-079-17/0	Warach, Steven J.		VuEssence, Inc.	19-Dec-17
<i>Note: L-079-17/0 split between NIA; NINDS; NINR</i>				
+L-058-13/1	Hou, Jean		BioLegend	28-Dec-17
+L-058-13/1	Major, Eugene O		BioLegend	28-Dec-17
+L-058-13/1	Messam, Conrad A		BioLegend	28-Dec-17
+L-125-04/1	Hou, Jean		BIOLEGEND INC	28-Dec-17
+L-125-04/1	Major, Eugene O		BIOLEGEND INC	28-Dec-17
+L-125-04/1	Messam, Conrad A		BIOLEGEND INC	28-Dec-17
+L-198-17/0	Dobersen, Michael J		BioLegend	28-Dec-17
+L-198-17/0	Hammer, Jeffrey A.		BioLegend	28-Dec-17
+L-198-17/0	Noronha, Antonio B		BioLegend	28-Dec-17
+L-198-17/0	Quarles, Richard H.		BioLegend	28-Dec-17
+L-008-08/1	Hsu, Yite		BioLegend	28-Dec-17
+L-008-08/1	Youle, Richard J.		BioLegend	28-Dec-17



(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities

NINDS

January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	Patent			License Cumulative Income	Inventor Awards January	Net Remaining to IC
					% of Sales/Ann. Min./Exec. Fee	Prosecution Costs	Total January Income			
+L-083-11/0	Bielekova, Bibiana B	(b)(4);	Abbott Biotherapeutics Corp.	1-Jan-18						(b) (3) (A), (b) (4), (b) (6)
+L-083-11/0	Martin, Roland	(b)(6)	Abbott Biotherapeutics Corp.	1-Jan-18						
+L-083-11/0	McFarland, Henry F.		Abbott Biotherapeutics Corp.	1-Jan-18						

Note: L-083-11/0 split between NCI; NINDS

+L-182-04/2	Hou, Jean	(b)(4); (b)(6)	Novus Biologicals Inc	1-Jan-18
+L-182-04/2	Major, Eugene O		Novus Biologicals Inc	1-Jan-18
+L-182-04/2	Messam, Conrad A		Novus Biologicals Inc	1-Jan-18
+L-036-99/3	Hsu, Yite		Bender MedSystems GmbH	1-Jan-18
+L-036-99/3	Suzuki, Motoshi		Bender MedSystems GmbH	1-Jan-18
+L-036-99/3	Youle, Richard J.		Bender MedSystems GmbH	1-Jan-18
+L-070-03/2	Hallett, Mark		Brainsway, Inc.	2-Jan-18
+L-070-03/2	Miranda, Pedro		Brainsway, Inc.	2-Jan-18
+L-070-03/2	Roth, Yiftach		Brainsway, Inc.	2-Jan-18

Note: L-070-03/2 split between NIDA; NINDS

+L-263-97/1	Hsu, Yite		Trevigen, Inc.	3-Jan-18
+L-263-97/1	Youle, Richard J.		Trevigen, Inc.	3-Jan-18
+L-053-00/1	Hsu, Yite		eBioscience	3-Jan-18
+L-053-00/1	Youle, Richard J.		eBioscience	3-Jan-18
+L-144-08/0	Hou, Jean		eBioscience	3-Jan-18
+L-144-08/0	Major, Eugene O		eBioscience	3-Jan-18
+L-144-08/0	Messam, Conrad A		eBioscience	3-Jan-18

+L-159-07/2	NINDS		Hope Pharmaceuticals	3-Jan-18
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Note: L-159-07/2 split between CC; NHLBI; NIDDK; NINDS

+L-050-11/0	Humbert, Ianessa A	(b)(4); (b)(6)	Passy-Muir Inc	8-Jan-18
+L-050-11/0	Lowell, Soren Y		Passy-Muir Inc	8-Jan-18
+L-050-11/0	Ludlow, Christy L.		Passy-Muir Inc	8-Jan-18
+L-050-11/0	Poletto, Christopher J.		Passy-Muir Inc	8-Jan-18

Note: L-050-11/0 split between NIMH; NINDS

+L-087-07/1	Bankiewicz, Krystof S.		MedGenesis Therapeutix	8-Jan-18
+L-087-07/1	Bobo, Richard		MedGenesis Therapeutix	8-Jan-18
+L-087-07/1	Hamilton, John F		MedGenesis Therapeutix	8-Jan-18
+L-087-07/1	Laske, Douglas		MedGenesis Therapeutix	8-Jan-18
+L-087-07/1	Lonser, Russell R		MedGenesis Therapeutix	8-Jan-18
+L-087-07/1	Oldfield, (b)(6) Edward H.		MedGenesis Therapeutix	8-Jan-18

Note: L-087-07/1 split between NCI; NIBIB; NINDS

+L-217-14/0	NINDS		Medicenna Therapeutics, Inc.	9-Jan-18
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Note: L-217-14/0 split between NCI; NINDS

+L-084-97/3	Hsu, Yite	(b)(4); (b)(6)	BD Biosciences	17-Jan-18
+L-084-97/3	Youle, Richard J.		BD Biosciences	17-Jan-18

+L-302-14/0	NINDS		KannaLife Sciences, Inc.	17-Jan-18
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Note: L-302-14/0 split between NIMH; NINDS

+L-292-17/0	Grimaldi, Maurizio	(b)(4); (b)(6)	Royal Beverage, LLC DBA Orgaceutical Co.	18-Jan-18
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Note: L-292-17/0 split between NIMH; NINDS

+L-205-00/2	Schwartz, Joan P		BioProducts MD, LLC	18-Jan-18
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(b) (3) (A), (b) (4), (b) (6)

+L-205-00/2	Sugita, Yukihiro	(b)(4);	BioProducts MD, LLC	18-Jan-18
+L-205-00/2	Taniwaki, Takayuki	(b)(6)	BioProducts MD, LLC	18-Jan-18
<i>Note: L-205-00/2 split between NEI; NINDS</i>				
+L-205-00/2	NINDS		BioProducts MD, LLC	18-Jan-18
<i>Note: L-205-00/2 split between NEI; NINDS</i>				
+L-141-06/2	Jensen, Peter N	(b)(4);	ViraCor Laboratories	24-Jan-18
+L-141-06/2	Major, Eugene O	(b)(6)	ViraCor Laboratories	24-Jan-18
+L-235-97/2	Hsu, Yite		Southern Biotechnology Assoc.	26-Jan-18
+L-235-97/2	Youle, Richard J.		Southern Biotechnology Assoc.	26-Jan-18
+L-091-98/2	Hsu, Yite		NeoMarkers, Inc.	30-Jan-18
+L-091-98/2	Youle, Richard J.		NeoMarkers, Inc.	30-Jan-18
+L-012-01/1	Hsu, Yite		NeoMarkers, Inc.	30-Jan-18
+L-012-01/1	Youle, Richard J.		NeoMarkers, Inc.	30-Jan-18
+L-091-98/2	Hsu, Yite		NeoMarkers, Inc.	30-Jan-18
+L-091-98/2	Youle, Richard J.		NeoMarkers, Inc.	30-Jan-18

(b) (3) (A), (b) (4), (b) (6)

NIH Patent Licensing Activities
NINDS
February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-106-02/1	Hsu, Yite	(b)(4);	BioCare Medical, LLC	1-Feb-18						(b) (3) (A), (b) (4), (b) (6)
+L-106-02/1	Youle, Richard J.	(b)(6)	BioCare Medical, LLC	1-Feb-18						
+L-121-08/0	Bankiewicz, Krystof S.		Medtronic Inc	5-Feb-18						
+L-121-08/0	Lonser, Russell R		Medtronic Inc	5-Feb-18						
+L-121-08/0	Oldfield, (b) (6) Edward H.		Medtronic Inc	5-Feb-18						
<i>Note: L-121-08/0 split between NCI; NINDS</i>										
+L-270-17/0	Narendra, Derek		Mission Therapeutics Ltd	9-Feb-18						
+L-270-17/0	Suen, Der-Fen		Mission Therapeutics Ltd	9-Feb-18						
+L-270-17/0	Youle, Richard J.		Mission Therapeutics Ltd	9-Feb-18						
+L-058-13/1	Hou, Jean		BioLegend	14-Feb-18						
+L-058-13/1	Major, Eugene O		BioLegend	14-Feb-18						
+L-058-13/1	Messam, Conrad A		BioLegend	14-Feb-18						
+L-008-08/1	Hsu, Yite		BioLegend	14-Feb-18						
+L-008-08/1	Youle, Richard J.		BioLegend	14-Feb-18						
+L-065-03/1	Hsu, Yite		Covance Research Products Inc	14-Feb-18						
+L-065-03/1	Youle, Richard J.		Covance Research Products Inc	14-Feb-18						
+L-125-04/1	Hou, Jean		BIOLEGEND INC	14-Feb-18						
+L-125-04/1	Major, Eugene O		BIOLEGEND INC	14-Feb-18						
+L-125-04/1	Messam, Conrad A		BIOLEGEND INC	14-Feb-18						

(b) (3) (A), (b) (4), (b) (6)

+L-132-17/0	Warach, Steven J.	(b)(4); NINDS	CereDx Inc.	21-Feb-18
<i>Note: L-132-17/0 split between NIA; NINDS; NINR</i>				
+L-132-17/0	NINDS		CereDx Inc.	21-Feb-18
<i>Note: L-132-17/0 split between NIA; NINDS; NINR</i>				
+L-264-14/0	Gainer, Harold	(b)(4); (b)(6)	EMD Millipore Corporation	23-Feb-18
+L-208-01/3	Hou, Jean		Millipore Sigma	23-Feb-18
+L-208-01/3	Major, Eugene O		Millipore Sigma	23-Feb-18
+L-208-01/3	Messam, Conrad A		Millipore Sigma	23-Feb-18

NIH Patent Licensing Activities
NINDS
March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
+L-025-02/0	NINDS		Chemicon International Inc	1-Mar-18						(b) (3) (A), (b) (4), (b) (6)
<i>Note: L-025-02/0 split between NEI; NINDS</i>										
+L-025-02/0	Schwartz, Joan P	(b)(4);	Chemicon International Inc	1-Mar-18						
+L-025-02/0	Sugita, Yukihiro	(b)(6)	Chemicon International Inc	1-Mar-18						
+L-025-02/0	Taniwaki, Takayuki		Chemicon International Inc	1-Mar-18						
<i>Note: L-025-02/0 split between NEI; NINDS</i>										
+L-083-11/0	Bielekova, Bibiana B		Abbott Biotherapeutics Corp.	1-Mar-18						
+L-083-11/0	Martin, Roland		Abbott Biotherapeutics Corp.	1-Mar-18						
+L-083-11/0	McFarland, Henry F.		Abbott Biotherapeutics Corp.	1-Mar-18						
<i>Note: L-083-11/0 split between NCI; NINDS</i>										
+L-182-17/0	Brady, (b) (6) Roscoe O		Freeline Therapeutics Limited	1-Mar-18						
+L-182-17/0	Murray, Gary J		Freeline Therapeutics Limited	1-Mar-18						
<i>Note: L-182-17/0 split between NIDCR; NINDS</i>										
+L-083-11/0	Bielekova, Bibiana B		Abbott Biotherapeutics Corp.	1-Mar-18						
+L-083-11/0	Martin, Roland		Abbott Biotherapeutics Corp.	1-Mar-18						
+L-083-11/0	McFarland, Henry F.		Abbott Biotherapeutics Corp.	1-Mar-18						
<i>Note: L-083-11/0 split between NCI; NINDS</i>										
+L-083-11/0	Bielekova, Bibiana B		Abbott Biotherapeutics Corp.	1-Mar-18						
+L-083-11/0	Martin, Roland		Abbott Biotherapeutics Corp.	1-Mar-18						
+L-083-11/0	McFarland, Henry F.		Abbott Biotherapeutics Corp.	1-Mar-18						
<i>Note: L-083-11/0 split between NCI; NINDS</i>										
+L-084-97/4	Hsu, Yite		BD Biosciences	6-Mar-18						
+L-084-97/4	Youle, Richard J.		BD Biosciences	6-Mar-18						
+L-091-15/0	Hsu, Yite		EMD Millipore Corp	6-Mar-18						
+L-091-15/0	Youle, Richard J.		EMD Millipore Corp	6-Mar-18						
+L-166-15/0	Badger, John D.		EMD Millipore Corporation	6-Mar-18						

+L-166-15/0	Bemben, Michael A.	(b)(4):	EMD Millipore Corporation	6-Mar-18
+L-166-15/0	Roche, Katherine W.	(b)(6)	EMD Millipore Corporation	6-Mar-18
+L-025-02/0	NINDS		Chemicon International Inc	6-Mar-18
<i>Note: L-025-02/0 split between NEI; NINDS</i>				
+L-144-08/0	Hou, Jean	(b)(4):	eBioscience	6-Mar-18
+L-144-08/0	Major, Eugene O	(b)(6)	eBioscience	6-Mar-18
+L-144-08/0	Messam, Conrad A		eBioscience	6-Mar-18
+L-025-02/0	Schwartz, Joan P		Chemicon International Inc	6-Mar-18
+L-025-02/0	Sugita, Yukihiro		Chemicon International Inc	6-Mar-18
+L-025-02/0	Taniwaki, Takayuki		Chemicon International Inc	6-Mar-18
<i>Note: L-025-02/0 split between NEI; NINDS</i>				
+L-208-01/3	Hou, Jean		Millipore Sigma	7-Mar-18
+L-208-01/3	Major, Eugene O		Millipore Sigma	7-Mar-18
+L-208-01/3	Messam, Conrad A		Millipore Sigma	7-Mar-18
+L-030-04/1	Hou, Jean		Medical and Biological Labs.	8-Mar-18
+L-030-04/1	Major, Eugene O		Medical and Biological Labs.	8-Mar-18
+L-030-04/1	Messam, Conrad A		Medical and Biological Labs.	8-Mar-18
+L-182-04/2	Hou, Jean		Novus Biologicals Inc	8-Mar-18
+L-182-04/2	Major, Eugene O		Novus Biologicals Inc	8-Mar-18
+L-182-04/2	Messam, Conrad A		Novus Biologicals Inc	8-Mar-18
+L-096-18/0	Wang, Chunxin		Mitokinin	20-Mar-18
+L-096-18/0	Youle, Richard J.		Mitokinin	20-Mar-18
+L-280-14/1	NINDS		Arche Opitex Biomedical, Inc.	20-Mar-18
<i>Note: L-280-14/1 split between NICHD; NINDS</i>				

(b) (3) (A), (b) (4), (b) (6)



\$781,141.11	\$16,727.86	\$797,868.97	\$215,721.81	\$582,147.16
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+ denotes a manual adjustment which has already been paid to the inventor

NIH Patent Licensing Activities
NINR
October 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total October Income	License Cumulative Income	Inventor Awards October	Net Remaining to IC
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NIH Patent Licensing Activities
NINR
November 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total November Income	License Cumulative Income	Inventor Awards November	Net Remaining to IC
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NIH Patent Licensing Activities
NINR
December 2017

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total December Income	License Cumulative Income	Inventor Awards December	Net Remaining to IC
+L-079-17/0	Barr, Taura L.	(b)(4);	VuEssence, Inc.	19-Dec-17						(b) (3) (A), (b) (4), (b) (6)
+L-079-17/0	(b) (4)	(b)(6)	VuEssence, Inc.	19-Dec-17						

Note: L-079-17/0 split between NIA; NINDS; NINR

NIH Patent Licensing Activities
NINR
January 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total January Income	License Cumulative Income	Inventor Awards January	Net Remaining to IC
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NIH Patent Licensing Activities
NINR
February 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total February Income	License Cumulative Income	Inventor Awards February	Net Remaining to IC
+L-132-17/0	Barr, Taura L.	(b)(4); (b)	CereDx Inc.	21-Feb-18						(b) (3) (A), (b) (4), (b) (6)
+L-132-17/0	(b) (4)	(6)	CereDx Inc.	21-Feb-18						

Note: L-132-17/0 split between NIA; NINDS; NINR

+L-132-17/0	NINR		CereDx Inc.	21-Feb-18						
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Note: L-132-17/0 split between NIA; NINDS; NINR

NIH Patent Licensing Activities
 NINR
 March 2018

License	Inventor	Inventor Share %	Licensee	Date of Deposit	% of Sales/Ann. Min./Exec. Fee	Patent Prosecution Costs	Total March Income	License Cumulative Income	Inventor Awards March	Net Remaining to IC
										(b) (3) (A), (b) (4), (b) (6)

+ denotes a manual adjustment which has already been paid to the inventor

National Institutes of Health

Office of Financial Management

Royalties Semiannual Report -- Payments due to Inventors by IC -- Period ending: September 2018

CC

\$22,855.85

Baecher, Nicolai

(b) (3) (A), (b)
(4), (b) (6)

Franaszek, Marek

Gladwin, Mark T.

Harrison, Adam Patrick

Huang, Hui-Yang

Iordanescu, Gheorghe

Jerebko, Anna K

Kwak, Jin Tae

Lay, Nathan Stephan

Liu, Jiamin

Lu, Le

(b) (4)

Mollura, Daniel Joseph

Roy, David

Summers, Ronald

Wang, Xiaosong

Wood, Bradford J

Xu, Sheng

Xu, Ziyue

Yao, Jianhua

CDC

\$131,892.65

Aloisio, Carol H.

(b) (3) (A), (b)
(4), (b) (6)

Anderson, Larry J.

Anderson, Raydel

Ashley, Kevin E.

Barclay, Leslie

Benitez, Alvaro J.

Black, Charlotte M.

Boeniger, Mark F.

Butera, Salvatore T.
Carvalho, Maria Da Gloria
Chang, Gwong-Jen J.
Chhabra, Preeti
Cox, Nancy J.
Davis, Brent S.
Devos, Joshua R.
Diaz, Maureen
Donis, Ruben O.
Erdman, Dean D.
Esswein, Eric J.
Fields, Patricia
Folks, Thomas M
Freeman, Charlotte
Galland, Gale G.
Gentsch, Jon R.
Glass, Roger I.
Gregoricus, Nicole
Gubler, Duane J.
Harmon, Maurice
Hatcher, Cynthia P.
Hierholzer, John C.
Jiang, Baoming
Katz, Jacqueline M.
Kendal, Alan P.
Kinney, Claire Huang
Kinney, Richard M.
Klimov, Alexander I.
Leaumont, Collette F.
Lewis, Daniel M.
Lindstrom, Stephen
Loftin, Lamorris
Lu, Xiaoyan
Maher, Kaija

(b) (3) (A), (b) (4), (b)
(6)

(b) (4)

Mayer, Leonard W.
McGee, Lesley
McQuiston, John R.
Moore, Deborah D.
Munoz-Jordon, Jorge L
Oberste, M. Steven
Olson, Victoria Ann
Pallansch, Mark A.
Phillips, Donald
Prez, Victor L
Reid, Thomas M.
Reimer, Charles B.
Robertson, Shirley
Roehrig, John T.
Saluzzo, Jean-francious
Sammons, Deborah L.
Sanchez, Anthony
Santiago, Gilberto
Schafer, Millie P.
Schmechel, Detlef
Schriefer, Martin Eric
Sexton, Christopher
Smith, Jerome P.
Sparks, Kansas
Stockdale, Carol
Tatti, Kathleen M.
Theodore, Mary J.
Thibodeaux, Brett A.
Thomas, Jennifer D.
Tondella, Maria-Lucia
Tripp, Ralph A.
Tsou, Cecelia

(b) (4)

(b) (3) (A), (b) (4),
(b) (6)

Vergne, Edgardo
Vinje, Jan
Wagar, Nicholas
Walls, Harriet
Wang, Xin
Wang, Yuhuan
Wells, Thomas
Winchell, Jonas M.
Wolff, Bernard
Wu, Xianfu
Yang, Chunfu (Dustin)
Yang, Yong
Zhou, Zhiyong

(b) (3) (A), (b)
(4), (b) (6)

CIT

Malley, James
Wagner, Lynne M

(b) (3) (A), (b)
(4), (b) (6)

FDA

\$16,793.92

Donnelly, Raymond P.
Falgout, Barry
Markoff, Lewis

(b) (3) (A), (b)
(4), (b) (6)

NCATS

\$2,717.58

Inglese, James
Jang, Sung-Wook
Morris, Patrick
Svaren, John
Thomas, Craig J.

(b) (3) (A), (b)
(4), (b) (6)

NCI

\$12,118,240.46

Aaronson, Stuart A.
Abrams, Scott I
Allegra, Carmen
Allikmets, Rando
Anderson, Lucy M.
Austin, Faye C.
Baba, Masaya

(b) (3) (A), (b)
(4), (b) (6)

Bagni- Beyer, Rachel K.

Barry, Todd

Baskar, Sivasubramanian

Battula, Narayana

Beers, Richard

Bonner, William M

Bonomi, Carrie A.

Borgel, Suzanne D.

(b) (4)

Buck, Christopher

Bustin, Michael

Cafri, Gal

Cao, Boliang (Brian)

(b) (4)

Chabner, Bruce A

Chakrapani, Harinath

Chang, Kai

Chang, Nancy T.

Cheng, Sheue-Yann

Choyke, Peter L

Chung, Joon-Yong

Colcher, David

Copeland, Neal

Costantino, Nina

Court, Donald

Crowl, Robert

(b) (4)

(b) (4)

Datta, Simanti

Dean, Michael C

Dimitrov, Dimiter S.

Dougherty, Kelly

Dudley, Mark

Ellis, Hilary Moyed

(b) (3) (A), (b) (4),
(b) (6)

Esposito, Dominic

(b) (6) Donald J. Giard

Felber, Barbara K.

Finch, Paul W.

Fisher, Amanda G.

Franchini, Genoveffa

Gao, Wei

Gartner, Suzanne

Gazdar, Adi F.

Gelboin, (b) (6) Harry

(b) (4)

Giardina, Steven

Gillette, William K.

Gonzalez, Frank J

Gottesman, Michael M.

Green, Jeffrey E

Gritz, Linda R.

Grose, Carissa L.

Guedez, Liliana

Hahn, Beatrice

Hand, Patricia H

Hathcock, Karen

He, Xi

Hewitt, Stephen

Ho, Mitchell

Hodes, Richard

Hodge, James W.

Holderfield, Matthew T.

Hollingshead, Melinda G.

Hopkins, Ralph F.

Hwu, Patrick

(b) (4)

Ise, Tomoko

Jenkins Copeland, Nancy A

(b) (3) (A), (b) (4),
(b) (6)

Ji, Xinhua
Johnson, Bruce E
Johnston, Patrick G.
Kahn, Richard A
Kalyanaraman, Vaniambadi S.
Kantor, Judith A.
Kawakami, Yutaka
Kaye, Frederic J
Keefer, Larry K
Kheif, Samir N.
King, Charles R.
Kochenderfer, James N
Kozlov, Andrei P.
Kraus, (b) (6) Matthias
Krausz, Kristopher W.
Kreitman, Robert J
Kumari, Vandana
Lacal, Juan C.
Lapointe, Rejean
Laszlo, Gloria
Lee, E-Chiang
Li, Chou Chi
Liang, Chi-Ming
Liotta, Lance
Liu, Pentao
Lori, Franco C.
Lu, Yong-Chen
Maciag, Anna Elzbieta
Mackall, Crystal L
Markham, Phillip D.
Mason, Llewellyn H.
Mazzara, Gail P.
Miller, Valerie
Minna, John D.

(b) (3) (A), (b) (4),
(b) (6)

Morgan, Richard A.
Muchmore, Brian P.
Nagata, Satoshi
Nani, Roger R.
Nickerson, Michael L.
Nishimura, Michael
Nuti, Marianna
O'Brien, Thomas R
Oie, Herbert K
Onda, Masanori
Orentas, Rimas J.
Ortaldo, John R.
Palena, Claudia
Panicali, Dennis L.
Parkhurst, Maria
Parks, Wade P
Pasetto, Anna
Pass, Harvey I.
Pastan, Ira H
Pavlakis, George N
Perry, Candice
Phung, Yen T.
Pinto, Peter A
Porter-Gill, Patricia A.
Potter, (b) (6) Michael
Prokunina-Olsson, Ludmila
Qasba, Pradman
Rader, Christoph
Ramakrishnan, Boopathy
Reddy, E. Premkumar.
Reitz, Jr., Marvin S.
Robbins, Paul F
Roberts, (b) (6) Anita
Roberts, Veronica Ann

(b) (3) (A), (b) (4),
(b) (6)

(b) (3) (A), (b) (4), (b)
(6)

Roden, Richard B
Rogakou, Efthimia P
Rosenberg, Steven A.
Rosenwald, Andreas
Rubin, Jeffrey S
Saavedra, Joseph E
Salahuddin, Syed Z.
Salazar, Elena Barzaga
Salvatore, Giuliana
Sarngadharan, Mangalasseril
Sawitzke, James
Schlom, Jeffrey
Schmidt, Laura S.
Schnermann, Martin
Sharan, Shyam K
Sharan, Shyam K.
Sharma, Nirmala D
Soppet, Dan
Spiese, Paul J
Sporn, Michael B.
Staudt, Louis M
Steeg, Patricia S.
Stephens, Robert M.
Stetler-Stevenson, William G.
Swaminathan, Srividya
Topalian, Suzanne L.
Tran, Eric
Tsang, Kwong-Yok
Turkbey, Ismail B.
Ueda, Kazumitsu
(b) (4)
Vande Woude, George
Waldmann, Thomas A.
Wang, Qiong

Wang, Rong-fu
Wang, Xin Wei
Warming, Soren
Warren, Michelle B.
Waugh, David
Wiestner, Adrian
Willingham, Mark C.
Wilson, Wyndham H.
Xiang, Liaman
Xiao, Xiaodong
Yamashita, Motozo
Yang, James C
Yang, Tian J.
Yoseph, Rami
Yoshimura, Teizo
Young, Howard A.
Yu, Daiguan
Yu, Zhiya
Zaremba, Sam
Zbar, Berton
Zeng, Gang
Zhang, Yifan
Zhang, Ying E.
Zheng, Zhili
Zhu, Zhongyu

NEI

Becerra, Sofia P
Chader, Gerald J
Rodriguez, Ignacio R
Steele, Fintan R.
Tombran-Tink, Joyce

(b) (4)

NHGRI

Chandler, Randy J.

(b) (3) (A), (b) (4), (b)
(6)

\$123.27

(b) (3) (A), (b) (4),
(b) (6)

\$87,234.24

(b) (3) (A), (b) (4),
(b) (6)

Collins, Francis S
Erdos, Michael R.
Eriksson, Maria
Gahl, William A.
Huizing, Marjan
Klootwijk, Riko
Manoli, Eirini
Meltzer, Paul
Pavan, William J
Sidransky, Ellen
Smith, Stephanie N.
Stubblefield, Barbara K.
Trent, Jeffrey
Varga, Renee
Venditti, Charles P.

(b) (3) (A), (b) (4),
(b) (6)

NHLBI

\$151,528.32

Aletras, Anthony Homer
Berra, Lorenzo
Boehm, Manfred
Cannon, Richard O.
Chen, Guibin
Cherkasova, Elena A.
Childs, Richard W.
Chiorini, John A.
Ding, Chuan-Tian
Ding, Chuantian
Gladwin, Mark T.
Haque, Nazmul
Hogg, John Robert
Hunter, Christian J
Kajigaya, Sachiko
Kellman, Peter
Knepper, Mark A
Kolobow, Theodor

(b) (3) (A), (b) (4),
(b) (6)

Kotin, Robert M.
Larochelle, Andre
Li, Lina

(b) (4)
(b) (4)
(b) (4)

McVeigh, Elliott R
Nirenberg, (b) (6) Marshall

Remaley, Alan T.
Shimada, Takashi
Sviridov, Denis O.

(b) (4)
(b) (4)

Urabe, Masashi
(b) (4)

Walsh, Frank
Wen, Han
Wolska, Anna
Young, Neal

NIA **\$147,508.33**

Bagrov, Alexei
Fedorova, Olga V.
Greig, Nigel H
Hodes, Richard J
Kim, Dong Seok
Lakatta, Edward G.
Li, Yazhou
Moaddel, Ruin
Pitha, Josef

NIAAA **\$9,466.87**

Cinar, Resat
Iyer, Malliga R.
Kunos, George I
Rice, Kenner C.

(b) (3) (A), (b)
(4), (b) (6)

(b) (3) (A), (b) (4),
(b) (6)

(b) (3) (A), (b)
(4), (b) (6)

NIAID

\$630,358.55

Adachi, Akio
Akahata, Wataru
Akin, Cem
Alexander, Robert M.
Baxa, Ulrich
Birmingham, Alison
Biacchesi, Stephanie
Blaney, Jr., Joseph E
Boyington, Jeffrey C.
Boyington, Jeffrey C.
Bray, Michael
Buchholz, Ursula
Bukh, Jens
Bukreyev, Alexander
Caldwell, Harlan D
Chanock, (b) (6) Robert
Chen, Lei
Chen, Man
Cheung, Yiu Chong Gordon
Chuang, Gwo-Yu
Chuang, Gwo-Yu
Collins, Peter L.
Corbett, Kizzmekia
DeVico, Angela M.
Druz, Aliaksandr A.
Eckels, Kenneth H
Eisenbarth, (b) (6) George
Emerson, Suzanne U.
Fauci, Anthony
Folks, Thomas M
Galen, Joseph Van
Garboczi, David
Georgiev, Ivelin S.

(b) (3) (A), (b)
(4), (b) (6)

Gorman, Jason
Graham, Barney S.
Guatam, Rejeev
Gupta, Pradeep K.
Hanley, Kathryn
Harriman, Gregory R.
Haynes, Barton F.
Hoshino, Yasutaka
Hsu, Su-Cheng Dana
Hu, Haijing
Jenkins, John P.
Joyce, Michael G.
Justement, Jesse S
Kanekiyo, Masaru
Kapikian, (b) (6) Albert Z
Kinter, Audrey L
Kirshenbaum, Arnold
Koh, Franklin
Kong, Wing-pui
Korty, Patricia E.
Kunimoto, Dennis Y.
Kwong, Peter D.
Lai, Ching-Juh
Lantz, Larry
Leonard, John M.
Leppla, Stephen H.
Leysath, Clinton E.
Liang, Bo
Long, Eric O.
Luongo, Cindy L.
Mackett, Michael
Martin, Malcolm A
Mascola, John R.
McCarty, Thomas Charles

(b) (3) (A), (b)
(4), (b) (6)

McLellan, Jason Scott
McTamney, Patrick
Men, Ruhe
Metcalf, Dean D
Moayeri, Mahtab
Moin, Syed M.
Morrison, Richard P.
Moss, Bernard
Munir, Shirin
Murphy, Brian R.
Nabel, Gary J
Nguyen, Hanh T.
Nishimura, Michael
Nutt, Anne S.
O'Brien, Daniel P.
OFEK, GILAD A
Ohara, Junichi
Ohta, Akio
Ou, Li
Pancera, Marie L.
Paul, (b) (6) William E.
Phillips, Damilola D.
Pletnev, Alexander G
Pomerantsev, Andrei P
Powell, Douglas M
Purcell, Robert H
Quasney, Judit A.
Rabson, Arnold B.
Rajagopalan, Sumati
Rao, Srinivas
(b) (4)
(b) (4)
Rundlet, Emily
Rutledge, Rosamond A.

(b) (3) (A), (b) (4),
(b) (6)

Sadjadpour, Reza
Sastry, Mallika
Shevach, Ethan M
Shingai, Masashi
Shukla Bajpai, Priyanka
Siebenlist, Ulrich
Sitkovsky, Michail V.
Skiadopoulos, Mario
Smith, Geoffrey L
Soto, Cinque
Srivatsan, Sanjay R.

(b) (4)

Stewart-Jones, Guillaume
Stewart-Jones, Guillaume BE
Strober, Warren
Sullivan, Nancy J
Sun, Peter D
Theodore, (b) (6) Theodore S
Thomas, Paul V.
Tsybovsky, Yaroslav
Wang, Lingshu
Wei, Chih--Jen
Whitehead, Stephen S.
Whittle, James R R
Willey, Ronald L.
Yanagi, Masayuki
YANG, YONGPING
Yang, Zhi-Yong
Yassine, Hadi M.
Zhang, Baoshan
Zhang, Yi-Ming
Zhou, Tongqing
Zou, Zhongcheng

NIAMS

(b) (3) (A), (b) (4), (b)
(6)

Kinet, Jean-Pierre
Rao, Mahendra S

NIBIB

Bungay, Peter M

NICHD

Buonanno, Andres

Chou, Janice Y.

Crouch, Robert J.

Gandjbakhche, Amir H

(b) (4)

Karavanov, Alex A. or Irina

Klein, David C.

Moffett, John R

Namboodiri, Aryan M

Ozato Dawid, Keiko

Riley, Jason D.

Roseboom, Patrick

Vullhorst, Detlef

Weller, Joan

NIDA

Backman, Christina M

Rice, Kenner C.

Tomac, Andreas C

Wise, Roy A

Zangen, Abraham

NIDCD

Chen, Zhong

Cheng, Hui

Drayna, Dennis T.

Kim, Un-kyung

(b) (6)

RJ Wenthold

Saleh, Anthony

Selbie, W. Scott

(b) (4)

(b) (3) (A), (b) (4), (b) (6)

\$23,170.30

(b) (3) (A), (b) (4), (b) (6)

\$11,397.08

(b) (3) (A), (b) (4), (b) (6)

\$11,387.82

(b) (3) (A), (b) (4), (b) (6)

Van Waes, Carter

(b) (3) (A), (b)
(4), (b) (6)

NIDCR

\$22,187.49

Akiyama, Steven

(b) (3) (A), (b)
(4), (b) (6)

Chiorini, John A.

Fisher, Larry

Kaludov, Nikola

Keith, Jerry M

Leppla, Stephen H.

Merkel, Todd J.

Siraganian, Reuben

Yamada, Kenneth

Yamada, Susan Sleeper

Yang, Xiaoming

NIDDK

\$10,278.95

Afione-Wainer, Sandra

(b) (3) (A), (b)
(4), (b) (6)

Carter, Barrie J.

Flotte, Terence R

Gao, Zhan-Guo

Ge, Kai

Jacobson, Kenneth A

Lee, Ji-Eun

Proia, Richard L

Sauer, Brian

Schechter, Alan N.

Solow, Renee

Star, Robert A.

NIEHS

\$10,790.10

Baek, Seung Joon

(b) (3) (A), (b)
(4), (b) (6)

Copeland, William

Eddy, Edward

Ehrenshaft, Marilyn I

Kasiviswanathan, Rajesh

Lim, Susan E.

Mason, Ronald P.

NIMH

Axelrod, (b) (6) Julius
Cohen, Robert M.
Dold, George R.
Drevets, Wayne C
Eiden, Maribeth V.
Furey, Maura L.
Ginns, Edward I.
Hampson, Aidan J.
LaMarca, Mary
Mahan, Lawrence C.
Morgan, Newlin T.
Pickel, James M.
Wilson, Carolyn A.
Ye, Daniel
Zarate, Carlos A.

\$24,312.78

(b) (3) (A), (b)
(4), (b) (6)

NINDS

Amyot, Franck
Bielekova, Bibiana B
Brann, (b) (6) Mark R
Grimaldi, Maurizio
Hallett, Mark
Hou, Jean
Hsu, Yite
Humbert, Ianessa A
Lowell, Soren Y
Ludlow, Christy L.
Major, Eugene O
Martin, Roland
McFarland, Henry F.
McVittie, Loris D.
Messam, Conrad A
Miranda, Pedro
Monsma, Jr., Frederick J.

\$69,654.71

(b) (3) (A), (b)
(4), (b) (6)

Oldfield, (b) (6) Edward H.

Pluta, Ryszard M

Poletto, Christopher J.

Roth, Yiftach

Schwartz, Joan P

Sibley, David R.

Stormann, Thomas M.

Sugita, Yukihiro

Taniwaki, Takayuki

Wasserman, Eric M.

Youle, Richard J.

NINR

NLM

Lu, Zhiyong

Pang, Yifan

(b) (3) (A), (b)
(4), (b) (6)

\$0.00

(b) (3) (A), (b) (4),
(b) (6)