

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>ARIS N. ECOMOMIDES</td> <td>01/16/2014</td> </tr> <tr> <td>DAVID M. VALENZUELA</td> <td>01/14/2014</td> </tr> </tbody> </table>		Name	Execution Date	ARIS N. ECOMOMIDES	01/16/2014	DAVID M. VALENZUELA	01/14/2014
Name	Execution Date						
ARIS N. ECOMOMIDES	01/16/2014						
DAVID M. VALENZUELA	01/14/2014						
RECEIVING PARTY DATA							
Name:	REGENERON PHARMACEUTICALS, INC.						
Street Address:	777 OLD SAW MILL RIVER ROAD						
City:	TARRYTOWN						
State/Country:	NEW YORK						
Postal Code:	10591-6707						
PROPERTY NUMBERS Total: 1							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Patent Number:</td> <td>8502018</td> </tr> </tbody> </table>		Property Type	Number	Patent Number:	8502018		
Property Type	Number						
Patent Number:	8502018						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	RPB-001.03						
NAME OF SUBMITTER:	WENDY HERRON						
Signature:	/Wendy Herron/						
Date:	01/22/2014						

PATENT

Total Attachments: 4

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ASSIGNMENT

I, Aris N. Economides, for valuable consideration received from **REGENERON PHARMACEUTICALS, INC.**, a corporation organized and existing under the laws of the State of New York, with offices at 777 Old Saw Mill River Road, Tarrytown, New York 10591-6707, U.S.A., the receipt of which is hereby acknowledged, have sold, assigned, transferred, and do hereby sell, assign and transfer unto said

REGENERON PHARMACEUTICALS, INC.

its successors and assigns, my entire right, title and interest for all countries in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the following patents and patent applications:

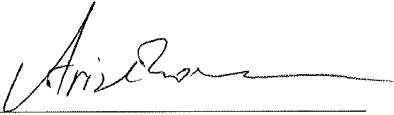
- U.S. Patent Application Number 09/784,859, filed on February 16, 2001 and issued as U.S. Patent Number 6,596,541 on July 22, 2003;
- U.S. Patent Application Number 10/076,840, filed on February 15, 2002 and issued as U.S. Patent Number 7,105,348 on September 12, 2006;
- U.S. Patent Application Number 11/595,427, filed on November 9, 2006;
- U.S. Patent Application Number 13/154,976, filed on June 7, 2011;
- U.S. Patent Application Number 13/164,176, filed on June 20, 2011 and issued as U.S. Patent Number 8,502,018;
- U.S. Patent Application Number 13/719,819, filed on December 19, 2012;
- U.S. Patent Application Number 13/719,842 filed on December 19, 2012;
- U.S. Patent Application Number 14/035,432 filed on September 24, 2013;
- U.S. Patent Application Number 14/036,514 filed on September 25, 2013;
- U.S. Patent Application Number 14/036,518 filed on September 25, 2013;
- U.S. Patent Application Number 14/036,530 filed on September 25, 2013;
- U.S. Patent Application Number 14/036,774 filed on September 25, 2013;
- U.S. Patent Application Number 14/036,778 filed on September 25, 2013;
- U.S. Patent Application Number 14/036,784 filed on September 25, 2013;
- U.S. Patent Application Number 14/036,865 filed on September 25, 2013;
- U.S. Patent Application Number 14/036,892 filed on September 25, 2013;
- U.S. Patent Application Number 14/046,279 filed on October 4, 2013;
- U.S. Patent Application Number 14/046,285 filed on October 4, 2013;
- U.S. Patent Application Number 14/046,291 filed on October 4, 2013;
- U.S. Patent Application Number 14/080,114 filed on October 14, 2013;

as well as all divisions, renewals, continuations, and continuations-in-part thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents utility models, and designs which may hereafter be filed for said inventions in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application(s) under the Patent Laws of the United States, the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty, under the European Patent Convention, or under any other available international agreement or under the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of

industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said inventions in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

And I do hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any Official of any country or countries foreign to the United States whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said corporation, its successors and assigns.

01/16/2014
Date


Aris N. Economides

ASSIGNMENT

I, David M. Valenzuela, for valuable consideration received from **REGENERON PHARMACEUTICALS, INC.**, a corporation organized and existing under the laws of the State of New York, with offices at 777 Old Saw Mill River Road, Tarrytown, New York 10591-6707, U.S.A., the receipt of which is hereby acknowledged, have sold, assigned, transferred, and do hereby sell, assign and transfer unto said

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January 14 2014
Date

David M. Valenzuela
David M. Valenzuela