

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4783170

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
LYNN MACDONALD	05/04/2016
ANDREW J. MURPHY	05/09/2016
CAGAN GURER	05/02/2016
ROBERT BABB	05/04/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	REGENERON PHARMACEUTICALS, INC.
<b>Street Address:</b>	777 OLD SAW MILL RIVER ROAD
<b>City:</b>	TARRYTOWN
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10591
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15559358
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(914)847-7705
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	9148471304
<b>Email:</b>	patents@regeneron.com
<b>Correspondent Name:</b>	REGENERON PHARMACEUTICALS, INC.
<b>Address Line 1:</b>	777 OLD SAW MILL RIVER ROAD
<b>Address Line 2:</b>	PATENT DEPARTMENT
<b>Address Line 4:</b>	TARRYTOWN, NEW YORK 10591
<b>ATTORNEY DOCKET NUMBER:</b>	1150US01
<b>NAME OF SUBMITTER:</b>	PATRICK FITZGERALD
<b>SIGNATURE:</b>	/PATRICK FITZGERALD/
<b>DATE SIGNED:</b>	01/19/2018
<b>Total Attachments: 12</b>	
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**ASSIGNMENT**

WHEREAS, we, **Lynn MACDONALD**, residing at 16 Franklin Lane, Harrison, New York 10528, a citizen of the United States of America, **Andrew J. MURPHY**, residing at 10 Newton Court, Croton-on-Hudson, New York 10520, a citizen of the United States of America, **Cagan GURER**, residing at 21 Buttonhook Road, Chappaqua, New York 10514, a citizen of the United States of America and **Robert BABB**, residing at 292 Voorhis Avenue, River Edge, New Jersey 07661, a citizen of the United States of America, made certain new and useful inventions and improvements for which we filed international application No. **PCT/US2016/023289**, on March 18, 2016, designating the United States of America, which is entitled **NON-HUMAN ANIMALS THAT SELECT FOR LIGHT CHAIN VARIABLE REGIONS THAT BIND ANTIGEN** and claiming priority to U.S. Provisional Application No. 62/135,419, filed March 19, 2015.

AND WHEREAS, **Regeneron Pharmaceuticals, Inc.**, a corporation organized and existing under and by virtue of the laws of the State of New York, and having an office and place of business at 777 Old Saw Mill River Road, Tarrytown, New York 10591 (hereinafter "Assignee") is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefor;

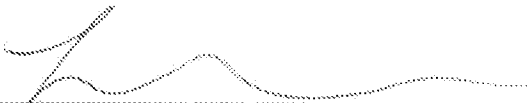
NOW THEREFORE, to all whom it may concern, be it known that for good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and all applications for industrial property protection, including, without limitation, all applications for patents utility models, and designs, and in and to any and all applications which have been or shall be filed in any country or countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of 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 Letters Patent of a country or countries which may be granted therefrom; and we 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 Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the Assignee, its successors and assigns.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 4 day of May, 2016.  
DAY MONTH

  
Lynn MACDONALD

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2016.  
DAY MONTH

\_\_\_\_\_  
Andrew J. MURPHY

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2016.  
DAY MONTH

\_\_\_\_\_  
Cagan GURER

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2016.  
DAY MONTH

\_\_\_\_\_  
Robert BABB

**ASSIGNMENT**

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NOW THEREFORE, to all whom it may concern, be it known that for good and valuable considerations, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the application, all divisions, continuations, or renewals thereof, all Letters Patent which may be granted therefrom, and all reissues or extensions of such patents, and all applications for industrial property protection, including, without limitation, all applications for patents utility models, and designs, and in and to any and all applications which have been or shall be filed in any country or countries for Letters Patent on the inventions and improvements, including an assignment of all rights under the provisions of 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 Letters Patent of a country or countries which may be granted therefrom; and we 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

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**DAY**

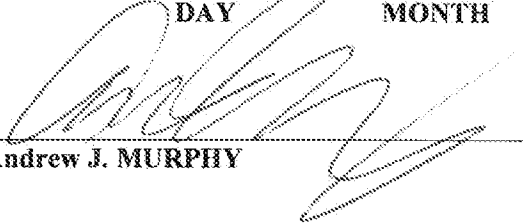
**MONTH**

\_\_\_\_\_  
**Lynn MACDONALD**

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9th day of May, 2016.

**DAY**

**MONTH**

  
\_\_\_\_\_  
**Andrew J. MURPHY**

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

**DAY**

**MONTH**

\_\_\_\_\_  
**Cagan GURER**

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**DAY**

**MONTH**

\_\_\_\_\_  
**Robert BABB**



**ASSIGNMENT**

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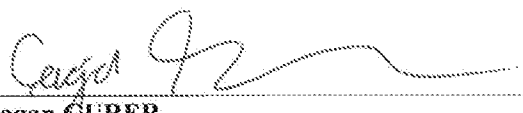
**MONTH**

\_\_\_\_\_  
**Andrew J. MURPHY**

IN TESTIMONY WHEREOF, I have hereunto set my hand this 2 day of May, 2016.

**DAY**

**MONTH**

  
\_\_\_\_\_  
**Cagan GURER**

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_ day of \_\_\_\_\_, 2016.

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Cagan GURER

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DAY

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\_\_\_\_\_  
Robert BABB