

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

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>Lynn Macdonald</td> <td>04/04/2013</td> </tr> <tr> <td>John McWhirter</td> <td>04/09/2013</td> </tr> <tr> <td>Naxin Tu</td> <td>04/05/2013</td> </tr> <tr> <td>Sean Stevens</td> <td>05/18/2013</td> </tr> <tr> <td>Andrew J. Murphy</td> <td>04/17/2013</td> </tr> </tbody> </table>		Name	Execution Date	Lynn Macdonald	04/04/2013	John McWhirter	04/09/2013	Naxin Tu	04/05/2013	Sean Stevens	05/18/2013	Andrew J. Murphy	04/17/2013
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Sean Stevens	05/18/2013												
Andrew J. Murphy	04/17/2013												
RECEIVING PARTY DATA													
Name:	Regeneron Pharmaceuticals, Inc.												
Street Address:	777 Old Saw Mill River Road												
City:	Tarrytown												
State/Country:	NEW YORK												
Postal Code:	10591												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13788997</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13788997								
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CORRESPONDENCE DATA													
Fax Number:	6175025002												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	617-248-5000												
Email:	patentdocket@choate.com												
Correspondent Name:	Choate Hall & Stewart LLP												
Address Line 1:	Two International Place												
Address Line 4:	Boston, MASSACHUSETTS 02110												
ATTORNEY DOCKET NUMBER:	2010794-0128												
NAME OF SUBMITTER:	Kevin J. Pobursky												
Signature:	/Kevin J. Pobursky/												

OP \$40.00 13788997

Date:	05/21/2013
	This document serves as an Oath/Declaration (37 CFR 1.63).
<p><b>Total Attachments: 8</b> source=executedCombinedAssignmentDeclaration#page1.tif source=executedCombinedAssignmentDeclaration#page2.tif source=executedCombinedAssignmentDeclaration#page3.tif source=executedCombinedAssignmentDeclaration#page4.tif source=executedCombinedAssignmentDeclaration#page5.tif source=executedCombinedAssignmentDeclaration#page6.tif source=executedCombinedAssignmentDeclaration#page7.tif source=executedCombinedAssignmentDeclaration#page8.tif</p>	

**COMBINED JOINT ASSIGNMENT & DECLARATION****A. ASSIGNMENT**

WHEREAS, each of the below-named inventors whose name and residence is set forth in the following Table 1:

<b>Inventor Name</b>	<b>City, State</b>
1. Lynn Macdonald	White Plains, NY
2. John McWhirter	Tarrytown, NY
3. Naxin Tu	Pleasantville, NY
4. Sean Stevens	San Francisco, CA
5. Andrew J. Murphy	Croton-on-Hudson, NY

Table 1

hereby declares and agrees, on behalf of himself/herself and all of his/her successors and assigns that each is aware of the patent application(s) entitled:

**HUMANIZED NON-HUMAN ANIMALS WITH RESTRICTED  
IMMUNOGLOBULIN HEAVY CHAIN; and**

identified by United States Application Serial No. **13/788,997** filed in the United States Patent and Trademark Office on **March 7, 2013**; and

is also aware of the following priority applications:

**Serial No.: USSN 61/658,466; Filed: June 12, 2012**

**Serial No.: USSN 61/663,131; Filed: June 22, 2012**

WHEREAS **Regeneron Pharmaceuticals, Inc.** (hereinafter "ASSIGNEE"), having a usual place of business at **777 Old Saw Mill River Road, Tarrytown, NY 10591**, desires to acquire or confirm an interest therein;

NOW, THEREFORE, to all whom it may concern be it known that, in consideration of agreements previously and duly entered into between the parties, and/or for other good and valuable consideration, the receipt of which is hereby acknowledged, I have sold, assigned, and transferred and/or do hereby sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title, and interest in and throughout the United States of America, its territories and all foreign countries, in and to any and all inventions described in the patent application, and/or any priority applications noted above; and hereby confirm that my sale, assignment and transfer is and was effective at least as of the filing date of the patent application and/or priority application. My sale, assignment and transfer applies to the above-referenced patent application, and to any application that is based in whole or in part on the patent application, including to divisional, continuing, substitute, renewal, reissue, reexamination and other applications, for example that claim priority to the patent application.

Also, this sale, assignment and transfer pertains to any and all other rights arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property, including all rights of priority under the International Convention for the Protection of Industrial Property, and in and to any such patent(s) as may issue thereon including any and all original and reissued patents which have been or shall be issued in the United States and foreign countries; said inventions, applications, and patent(s) to be held and enjoyed by ASSIGNEE for its own use and for its successors, assigns and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by me had this sale, assignment and transfer not been made;

AND, I hereby acknowledge that this Assignment, being of my entire right, title, and interest in and to the inventions, carries with it the right in ASSIGNEE, by attorneys and agents of ASSIGNEE selection, to apply for and receive any and all patent(s) for said inventions in its own name;

AND, I hereby further agree for myself and my executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the patent(s) to ASSIGNEE, its successors, assignees, and legal representatives, but at its expense and charges, including the execution of application for patents in foreign countries, the execution of substitution, reissue, divisional or continuation applications, and the giving of testimony, preliminary statements, or other statements in any interference or other proceeding in which the inventions or any applications or patents directed to the inventions may be involved by communicating to the ASSIGNEE all facts I know relating to the inventions and their history, and generally by doing everything possible which ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for the inventions and for vesting title in the inventions and all applications for patent and all patents on the inventions in ASSIGNEE;

AND, I further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct serial number(s) and/or filing date(s) into this assignment document, if appropriate;

AND, I hereby appoint ASSIGNEE as my common agent for purposes of prosecuting international patent applications and any national patent applications for which such common agency is recognized;

AND, I hereby request the Director of Patents and Trademarks of the United States to issue any and all patent(s) as shall be granted upon said application or applications based thereon to ASSIGNEE, its successors, assigns, and legal representatives;

AND, I covenant with said ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by me, and that full right to convey the same as herein expressed is possessed by me.

**B. DECLARATION (37 CFR 1.63)**

As a below named inventor, I hereby declare that:

This declaration is directed to the patent application entitled:

**HUMANIZED NON-HUMAN ANIMALS WITH RESTRICTED IMMUNOGLOBULIN  
HEAVY CHAIN; and**

identified by United States Application Serial No. **13/788,997** filed in the United States Patent and Trademark Office on **March 7, 2013**.

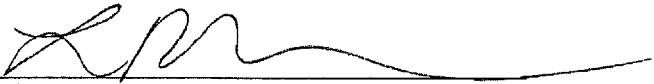
The above-identified application was made or authorized to be made by me.

I believe that I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

I have reviewed and understand the contents of the application, including the claims and am aware of the duty to disclose to the United States Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR 1.56.

SIGNED this 4 day of APRIL, 2013.

  
Name: **Lynn Macdonald**

STATE OF NEW YORK SS.  
COUNTY OF WESTCHESTER

Before me this 4<sup>th</sup> day of April, 2013, personally appeared **Lynn Macdonald**, and proved to me through satisfactory evidence of identity which was personally known to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC

Name: Janice A. White  
My Commission Expires: 12-26-2014

**JANICE A. WHITE**  
Notary Public - State of New York  
No. 01-WH6052604  
Qualified in Rockland County  
My Commission Expires 12-26-2014

SIGNED this 9 day of APRIL, 2013.

  
Name: **John McWhirter**

STATE OF New York  
COUNTY OF Westchester SS.

Before me this 9<sup>th</sup> day of April, 2013, personally appeared **John McWhirter**, and proved to me through satisfactory evidence of identity which was personally known to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC

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My Commission Expires: 12-26-2014

**JANICE A. WHITE**  
Notary Public - State of New York  
No. 01-WH6052604  
Qualified in Rockland County  
My Commission Expires 12-26-2014

SIGNED this 5 day of April, 2013.

Naxin Tu  
Name: **Naxin Tu**

STATE OF NEW YORK SS.  
COUNTY OF WESTCHESTER

Before me this 5<sup>th</sup> day of APRIL, 2013, personally appeared **Naxin Tu**, and proved to me through satisfactory evidence of identity which was personally known to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

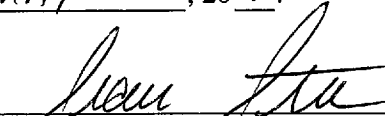
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Qualified in Rockland County  
My Commission Expires 12-26-2014



SIGNED this 18<sup>th</sup> day of MAY, 2013.

  
Name: **Sean Stevens**

STATE OF CALIFORNIA SS.  
COUNTY OF SAN FRANCISCO

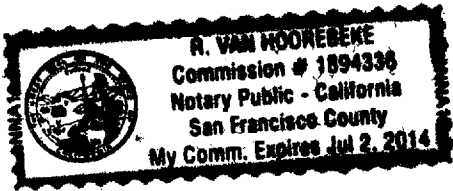
Before me this 18 day of MAY, 2013, personally appeared **Sean Stevens**, and proved to me through satisfactory evidence of identity which was CA DRIVERS LIC. to be the person whose name is signed on the preceding or attached document, and acknowledged that he/~~she~~ executed the same, of his/~~her~~ own free will and for the purposes set forth.

NOTARY PUBLIC

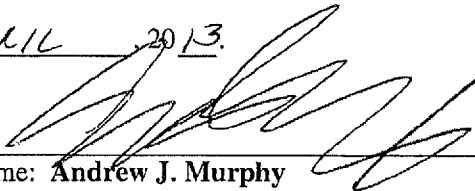


Name: R. Van Hoorebeke Notary Public

My Commission Expires: 7/2/14



SIGNED this 17 day of APRIL, 2013.

  
Name: Andrew J. Murphy

STATE OF New York SS.  
COUNTY OF Westchester

Before me this 17 day of April, 2013, personally appeared **Andrew J. Murphy**, and proved to me through satisfactory evidence of identity which was personally known to be the person whose name is signed on the preceding or attached document, and acknowledged that he/she executed the same, of his/her own free will and for the purposes set forth.

NOTARY PUBLIC

Name: Janice A. White  
My Commission Expires: 12-26-2014

**JANICE A. WHITE**  
Notary Public - State of New York  
No. 01-WH6052604  
Qualified in Rockland County  
My Commission Expires 12-26-2014