

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
DAVID FRENDEWEY	10/15/2013
GUOCHUN GONG	10/02/2013
KA-MAN VENUS LAI	10/02/2013
DAVID M. VALENZUELA	10/02/2013
<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>	13934815
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(919)862-2260
<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>	(919) 862-2200
<b>Email:</b>	donna.miles@alston.com
<b>Correspondent Name:</b>	ALSTON & BIRD LLP
<b>Address Line 1:</b>	4721 EMPEROR BLVD.
<b>Address Line 2:</b>	SUITE 400
<b>Address Line 4:</b>	DURHAM, NORTH CAROLINA 27703-8580
<b>ATTORNEY DOCKET NUMBER:</b>	057766/443286
<b>NAME OF SUBMITTER:</b>	KELLY J. WILLIAMSON
<b>SIGNATURE:</b>	/kelly j. williamson/
<b>DATE SIGNED:</b>	06/13/2014
This document serves as an Oath/Declaration (37 CFR 1.63).	
<b>Total Attachments: 7</b>	
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**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:

Inventor Name	City, State
1. David Frendewey	New York, NY
2. Guochun Gong	Elmsford, NJ
3. Ka-Man Venus Lai	Tarrytown, NY
4. David M. Valenzuela	Yorktown Heights, 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:

**PROMOTER-REGULATED DIFFERENTIATION-DEPENDENT SELF-DELETING CASSETTE; and**

identified by United States Application Serial No. 13/934,815 filed in the United States Patent and Trademark Office on July 3, 2013; and

is also aware of the following priority applications:

Serial No.: 12/856,163; Filed: August 13, 2010  
 Serial No.: 61/233,974; Filed: August 14, 2009

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:

**PROMOTER-REGULATED DIFFERENTIATION-DEPENDENT SELF-DELETING  
CASSETTE; and**

identified by United States Application Serial No. 13/934,815 filed in the United States Patent and Trademark Office on July 3, 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 15 day of October, 2013.

David Frendewey  
Name: **David Frendewey**

STATE OF New York SS.  
COUNTY OF Westchester

Before me this 15 day of October, 2013, personally appeared **David Frendewey**, and proved to me through satisfactory evidence of identity which was personally drawn 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: \_\_\_\_\_

JANICE A. WHITE  
Notary Public - State of New York  
No. 01WF16052604  
Qualified in Rockland County  
My Commission Expires 12-26-2014

SIGNED this 2nd day of October, 2013.

Guochun Gong

Name: **Guochun Gong**

STATE OF NEW YORK SS.  
COUNTY OF WESTCHESTER

Before me this 2nd day of OCTOBER, 2013, personally appeared **Guochun Gong**, 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

Jance A. White

Name:

My Commission Expires:

**JANCE A. WHITE**  
Notary Public - State of New York  
No. 01WH6082004  
Qualified in Rockland County  
My Commission Expires 12-28-2014

SIGNED this 2<sup>nd</sup> day of Oct, 2013.

  
Name: Ka-Man Venus Lai

STATE OF NEW YORK SS.  
COUNTY OF WESTCHESTER

Before me this 2<sup>nd</sup> day of OCTOBER, 2013, personally appeared Ka-Man Venus Lai, 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: \_\_\_\_\_

JANICE A. WHITE  
Notary Public - State of New York  
No. 01WF18052804  
Qualified in Rockland County  
My Commission Expires 12-25-2014



SIGNED this 2 day of October, 2013

David M. Valenzuela  
Name: **David M. Valenzuela**

STATE OF NEW YORK SS.  
COUNTY OF WESTCHESTER

Before me this 2nd day of October, 2013, personally appeared **David M. Valenzuela**, 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  
Janice A. White  
Name: \_\_\_\_\_  
My Commission Expires: \_\_\_\_\_

**JANICE A. WHITE**  
Notary Public - State of New York  
No. 01WH6032804  
Qualified in Rockland County  
My Commission Expires 12-28-2014