

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT3787217

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
KEITH A. OBERG	09/19/2014
JOSEPH SULNER	09/09/2014
MARSHALL L. GRANT	09/03/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MANKIND CORPORATION
<b>Street Address:</b>	25134 RYE CANYON LOOP, SUITE 300
<b>City:</b>	VALENCIA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	91355
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15017153
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(949)253-0902
<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>	949-253-0900
<b>Email:</b>	stephanie.new@klgates.com
<b>Correspondent Name:</b>	K&L GATES LLP
<b>Address Line 1:</b>	1 PARK PLAZA, 12TH FLOOR
<b>Address Line 4:</b>	IRVINE, CALIFORNIA 92614
<b>ATTORNEY DOCKET NUMBER:</b>	1951300.00118DIV
<b>NAME OF SUBMITTER:</b>	STEPHANIE NEW
<b>SIGNATURE:</b>	/Stephanie New/
<b>DATE SIGNED:</b>	03/16/2016
<b>Total Attachments: 4</b>	
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## ASSIGNMENT

**THIS ASSIGNMENT** is made by **Keith A. Oberg, Joseph Sulner and Marshall L. Grant**, (hereafter, together with any successors, legal representatives, or assigns thereof, "ASSIGNORS") to MannKind Corporation, a corporation duly organized and existing under and by the laws of the State of Delaware and having its principal place of business at 28903 North Avenue Paine, Valencia, CA 91355, (hereafter, together with any successors, legal representatives, or assigns thereof, "ASSIGNEE").

**WHEREAS**, ASSIGNORS have invented and own rights in, to and under a new and useful invention for which an application(s) for Letters Patent has been filed as indicated below (hereafter "Invention");

U.S. Patent Application filed April 10, 2014 bearing Serial No. US 14/249,621

**WHEREAS**, ASSIGNORS believe themselves to be the original and true inventors of the Invention;

**WHEREAS**, ASSIGNEE desires to acquire the Invention and improvements thereto;

**AND WHEREAS**, ASSIGNORS and ASSIGNEE desire to have a recordable instrument assigning ASSIGNEE as owners of the entire right, title and interest in, to, and under the Invention and improvements thereto owned by ASSIGNORS;

**NOW THEREFORE**, for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS do hereby sell, assign, transfer, convey, endorse, and hereby set over unto ASSIGNEE the full and exclusive right, title and interest in, to and under the Invention to be held and enjoyed by ASSIGNEE, as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment and sale not been made including the full and exclusive right, title and interest in, to and under 1) any patent application, or any other legal instrument equivalent thereof, including, without limitation, continuation, division, continuation-in-part, substitute, reexamination, renewal, inventor's certificate, and utility model, which has been or may be submitted therefor and thereon anywhere in the World, such term defined herein as including the United States of America, its territorial possessions, and any and all foreign countries under national laws or under the provisions of the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, or any other international treaty equivalent thereof; 2) any Letters Patent, or any other legal instrument equivalent thereof, which has been or may be granted therefor and thereon, in the World, for the full term or terms for which the same may be granted; 3) any reissue, extension, or any other legal instrument equivalent thereof, on any patent application or Letters Patent which has been or may be granted therefor and thereon in the World; and 4) any right to claim priority to a filing date, or any other legal equivalent thereof, which has been or may be claimed by any patent application or Letters Patent therefor and thereon in the World.

ASSIGNORS hereby covenant and agree to perform any lawful action when deemed essential by and to ASSIGNEE's full enjoyment, protection, enforcement and title in, to and under the Invention and rights hereby transferred, including, but not limited to, promptly communicating and providing any and all known and accessible facts, data or any other pertinent information; promptly executing and delivering any and all papers, documents, forms, declarations, oaths, affidavits or any other legal instrument; promptly assisting and participating in any and all depositions, hearings, proceedings, trials, appeals, or any other legal procedure; promptly

testifying under oath in any and all interference, post grant review, litigation or any other administrative or judicial proceeding; and promptly completing any and all actions necessary or desirable to carry out any and all purposes thereof, relating to any and all proceedings in connection with the submission, procurement, issuance, maintenance, enforcement or defense of the invention and rights hereby transferred.

IN TESTIMONY WHEREOF, I hereunder set my hand this 19<sup>th</sup> day of September, 2014.

ASSIGNOR

Keith A. Oberg

[Handwritten Signature]  
Signature

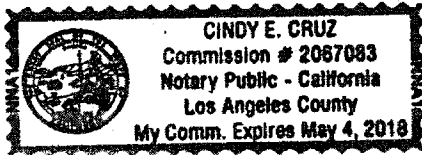
State of California )  
County of Los Angeles ) ss.:

On this 19<sup>th</sup> day of September, 2014, before me, Cindy Cruz Notary Public personally appeared Keith A. Oberg, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

Witness my hand and official seal.

[Handwritten Signature]  
Notary Public



IN TESTIMONY WHEREOF, I hereunder set my hand this 9 day of September, 2014.

ASSIGNOR

Joseph Sulner

Joseph W Sulner  
Signature

State of NJ )  
County of Bergen ) ss.:

On this 9 day of Sept., 2014, before me, Tracy L Moscatello, personally appeared Joseph Sulner, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of NJ that the foregoing paragraph is true and correct.

Witness my hand and official seal.

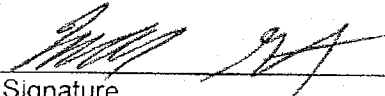
Tracy L Moscatello  
Notary Public

**TRACY L MOSCATELLO**  
Notary Public  
State of New Jersey  
My Commission Expires April 18, 2017  
I.D.# 2358778

IN TESTIMONY WHEREOF, I hereunder set my hand this 3<sup>rd</sup> day of September, 2014.

ASSIGNOR

Marshall L. Grant

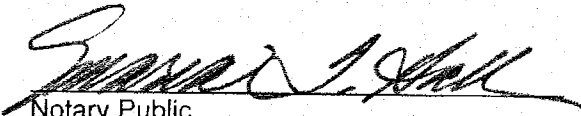
  
Signature

State of Connecticut )  
County of Fairfield ) ss.:

On this 3 day of September, 2014, before me, Marshall L. Grant, personally appeared **Marshall L. Grant**, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of CT that the foregoing paragraph is true and correct.

Witness my hand and official seal.

  
Notary Public