

## 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>
PRIYA S KISHNANI	07/22/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	DUKE UNIVERSITY
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<b>Postal Code:</b>	27705
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13253005
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<b>ATTORNEY DOCKET NUMBER:</b>	D133 1020US.1
<b>NAME OF SUBMITTER:</b>	JULIE BROADUS MEIGS, PHD
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<b>DATE SIGNED:</b>	07/28/2014
<b>Total Attachments: 3</b>	
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**PATENT AND INVENTION ASSIGNMENT**

WHEREAS, the undersigned:

**KISHNANI, Priya S.**, a citizen of the United States of America, residing at  
6 Vinson Place, Durham, North Carolina 27705

(hereinafter referred to as "Assignor"), has invented certain inventions and improvements disclosed in a U.S. utility application entitled

**METHODS OF LYSOSOMAL STORAGE DISEASE THERAPY**

which application was filed in the United States Patent & Trademark Office ("USPTO") on October 4, 2011 under U.S. Application No. 13/253,005 (hereinafter referred to as "Application"), now U.S. Patent No. 8,679,478, and which claims priority to U.S. Provisional Application No. 61/420,828, filed December 8, 2010, and to U.S. Provisional Application No. 61/389,494, filed October 4, 2010;

WHEREAS, it is agreed that **DUKE UNIVERSITY**, a North Carolina university, having a principal place of business at 2812 Erwin Road, Suite 306, Durham, North Carolina 27705 ("Assignee"), is entitled to or is desirous of acquiring all right, title and interest related to the same;

NOW, THEREFORE, for and in consideration of good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor, by these presents, sells, assigns and transfers unto **DUKE UNIVERSITY**, the full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said Application, (ii) in and to said Application, (iii) in and to all national applications and divisional, continuation, and continuation-in-part applications describing in whole or in part the said inventions and improvements, preparatory to obtaining patents and similar protective rights in all countries worldwide, including, without limitation, all countries designated in the PCT Application, (iv) in and to any patent applications filed in any country describing in whole or in part the said inventions and improvements, from which priority may be claimed under Title 35 of the United States Code and/or under international treaty, (v) in and to any patents and similar protective rights granted on the aforementioned, (vi) in and to any reissues and extensions of the patents and protective rights, and (vii) in and to the right to claim any applicable foreign and domestic priority rights arising from any of the afore-mentioned applications under the terms of

any applicable conventions, treaties, statutes, or regulations; and Assignor does hereby request the patent authorities of each country to issue any and all patents resulting from said aforementioned applications, to DUKE UNIVERSITY as Assignee, for its interest and for the sole use and behoof of DUKE UNIVERSITY and its assigns and legal representatives;

AND, for the same consideration, (i) Assignor does hereby appoint DUKE UNIVERSITY as Assignor's attorney-in-fact to execute all documents (including without limitation assignments and appointments of agents and representatives) and to take all actions in the name of and on behalf of Assignor required by or related to representation before all competent International Authorities in connection with the herein identified Application and all competent National Authorities in connection with the national applications, and furthermore (ii) Assignor agrees to communicate to the said DUKE UNIVERSITY, its successors, legal representatives and assigns, any facts known to Assignor respecting said invention, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid DUKE UNIVERSITY, its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world;

Assignor covenants with Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the unto DUKE UNIVERSITY, the full, exclusive and entire right, title and interest: (i) in and to all inventions and improvements disclosed and described in said Application, (ii) in and to said Application, (iii) in and to all national applications and divisional, continuation, and continuation-in-part applications describing in whole or in part the said inventions and improvements, preparatory to obtaining patents and similar protective rights in all countries worldwide, including, without limitation, all countries designated in the PCT Application, (iv) in and to any patent applications filed in any country describing in whole or in part the said inventions and improvements, from which priority may be claimed under Title 35 of the United States Code and/or under international treaty, (v) in and to any patents and similar protective rights granted on the aforementioned, (vi) in and to any reissues and extensions of the patents and protective rights, and (vii) in and to the right to claim any applicable foreign and domestic priority rights arising from any of the afore-mentioned applications under the terms of any applicable conventions, treaties, statutes, or regulations; and Assignor does hereby request the patent authorities of each

country to issue any and all patents resulting from said aforementioned applications, to DUKE UNIVERSITY as Assignee, for its interest and for the sole use and behoof of DUKE UNIVERSITY and its assigns and legal representatives;

AND, for the same consideration, (i) Assignor does hereby appoint DUKE UNIVERSITY as Assignor's attorney-in-fact to execute all documents (including without limitation assignments and appointments of agents and representatives) and to take all actions in the name of and on behalf of Assignor required by or related to representation before all competent International Authorities in connection with the herein identified Application and all competent National Authorities in connection with the national applications, and furthermore (ii) Assignor agrees to communicate to the said DUKE UNIVERSITY, its successors, legal representatives and assigns, any facts known to Assignor respecting said invention, sign all lawful papers, execute all divisional, continuation, continuation-in-part, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to aid DUKE UNIVERSITY, its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world;

Assignor covenants with Assignee, its successors, assigns and legal representatives rights and property herein conveyed has been made to others by the undersigned.

July 22, 2014  
Date

P. Kishnani  
KISHNANI, Priya S.

July 22, 2014  
Date

Beverly M. Foxshee  
Signature of Witness

Beverly M. Foxshee  
Printed Name of Witness