

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5815951

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	JEANNIE T. LEE	05/21/2013
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	HOWARD HUGHES MEDICAL INSTITUTE	
<b>Street Address:</b>	4000 JONES BRIDGE ROAD	
<b>City:</b>	CHEVY CHASE	
<b>State/Country:</b>	MARYLAND	
<b>Postal Code:</b>	20815	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	15872684	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(617)646-8646	
<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>		
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<b>Email:</b>	Julia.Moriggi@WolfGreenfield.com	
<b>Correspondent Name:</b>	CRISTIN BERKEY	
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<b>ATTORNEY DOCKET NUMBER:</b>	R0693.70050US00	
<b>NAME OF SUBMITTER:</b>	CRISTIN BERKEY	
<b>SIGNATURE:</b>	/Cristin Berkey/	
<b>DATE SIGNED:</b>	11/12/2019	
<b>Total Attachments: 4</b>		
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## ASSIGNMENT

Assignment made May 21, 2013 by Jeannie T. Lee, MD, PhD ("Inventor") to the Howard Hughes Medical Institute, a Delaware corporation ("HHMI").

### Recitals

WHEREAS, Inventor is an employee of HHMI and, as a condition of her employment, has signed the Agreement appended to HHMI's Policy on Intellectual Property (the "Intellectual Property Agreement");

WHEREAS, pursuant to the Intellectual Property Agreement, Inventor has agreed (a) to assign to HHMI all rights she may acquire in any invention, discovery, improvement, or other intellectual property, whether or not patentable or copyrightable, developed directly or indirectly as a result of a program of research financed by HHMI funds or funds under the control of HHMI (each a "Subject Property") and (b) to execute any agreements that may be desired by HHMI in connection with such assignment;

WHEREAS, Inventor has, alone or with others invented the inventions covered by the patent applications listed on Exhibit A attached hereto (collectively, the "Inventions"), and the Inventions are Subject Property; and

WHEREAS, Inventor seeks to make a formal assignment of her interest in the Inventions to HHMI, and HHMI desires the execution of a formal assignment of all of Inventor's right, title, and interest in the Inventions.

NOW, THEREFORE, in consideration of the promises contained in and the acts performed and to be performed pursuant to the Intellectual Property Agreement and of other good and valuable consideration, the receipt of which is hereby acknowledged by Inventor, Inventor agrees as follows:

1. Assignment. Inventor hereby assigns to HHMI her entire right, title, and interest in the Inventions; any United States patent applications and all corresponding foreign patent applications which are directed to the Inventions (including, without limitation, the patent applications listed on Exhibit A), and any and all patents issued therefrom; all United States or foreign division and continuation applications based on any of the foregoing, and any and all patents issued therefrom; and all claims which are directed to the Inventions and which may be contained in continuation-in-part applications or in patents which issue therefrom.

2. Cooperation. Inventor agrees to execute upon request such further assignments, documents, and other instruments as may be necessary or desirable to assign Inventor's entire right, title and interest in the Inventions to HHMI and to assist HHMI (or others at the direction of HHMI) in applying for, obtaining, and enforcing patents, copyrights, or other rights in the United States and in any foreign country with respect to the Inventions.

3. Parties. The terms and provisions of the Assignment shall inure to the benefit of HHMI and its successors and assigns and shall be binding on the Inventor and her heirs, personal representatives and assigns.

4. Warranty. Inventor warrants and represents that she has not entered into any assignment, contract, or understanding in conflict herewith, and that there is no other person or entity whose consent is required in order for the Inventor to make the assignment contained herein.

Inventor:

  
Jeannie T. Lee, MD, PhD

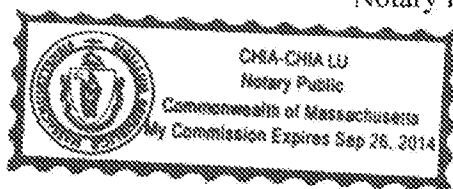
Commonwealth of Massachusetts

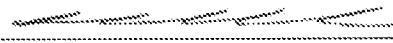
County of Suffolk

Then personally appeared before me the above-named Jeannie T. Lee, MD, PhD and acknowledged that she executed the foregoing instrument in her authorized capacity this 21 day of May, 2013.

Notary Public:

(SEAL)



  
CHIA-CHIA LU  
(print name)

My Commission Expires: September 26, 2014

MGH 21708  
HHMI 05189

Exhibit A

<u>Title</u>	<u>Serial Number</u>	<u>Filing Date</u>
Compositions and Methods for Modulating Smn Gene Family Expression	61/719,394	10/27/12
Compositions and Methods for Modulating Smn Gene Family Expression	61/785,529	03/14/13
Compositions and Methods for Modulating Hemoglobin Gene Family Expression	61/785,956	03/14/2013
Compositions and Methods for Modulating Atp2a2 Expression	61/785,832	03/14/2014
Compositions and Methods for Modulating ApoA1 And Abca1 Expression	61/785,778	03/14/2013
Compositions and Methods for Modulating Pten Expression	61/785,885	03/14/2013
Compositions and Methods for Modulating Gene Expression	61/786,095	03/14/2013
Compositions and Methods for Modulating Gene Expression	61/786,232	03/14/2013

MGH 21708  
HHMI 05189

**MASSACHUSETTS ALL-PURPOSE ACKNOWLEDGMENT**

Gov. Exec. Ord. #455 (03-13), §5(d)

Commonwealth of Massachusetts

County of Suffolk } ss.On this the 21 day of May, 2013, before me,CHIA-CHIA LU, the undersigned Notary Public,  
Name of Notary Publicpersonally appeared Jeannie T. Lee,  
Name(s) of Signer(s)

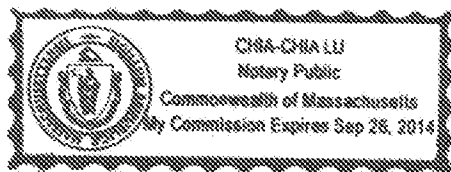
proved to me through satisfactory evidence of identity, which was/were

Massachusetts Drivers License,  
Description of Evidence of Identityto be the person(s) whose name(s) is/are signed on the preceding or attached document, and  
acknowledged to me that he/she/they signed it voluntarily for its stated purpose(s)☐ as partner(s) for \_\_\_\_\_  
Name of Partnership

\_\_\_\_\_, a partnership.

☐ as \_\_\_\_\_ for  
Title of Office\_\_\_\_\_, a corporation.  
Name of Corporation☐ as attorney in fact for \_\_\_\_\_  
Name of Principal Signer

\_\_\_\_\_, the principal.

☐ as \_\_\_\_\_ for \_\_\_\_\_  
Type of Capacity\_\_\_\_\_, a/the \_\_\_\_\_  
Name of Person/Entity Type of Entity\_\_\_\_\_  
Signature of Notary PublicCHIA-CHIA LU  
Printed Name of Notary

Place Notary Seal and/or Any Stamp Above

My Commission Expires Sept 26, 2014**OPTIONAL**

Although the information in this section is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

**Description of Attached Document**

Title or Type of Document: \_\_\_\_\_

Document Date: \_\_\_\_\_ Number of Pages: \_\_\_\_\_

Signer(s) Other Than Named Above: \_\_\_\_\_

**Right Thumbprint  
of Signer**

Top of thumb here

**PATENT****RECORDED: 11/12/2019****REEL: 050984 FRAME: 0164**