

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5361080

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ORNELLA BARRANDON	05/22/2015
DOUGLAS MELTON	05/08/2015
<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>	16068463
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)495-9568
<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>	(617) 495-3067
<b>Email:</b>	siobhan_murphy@harvard.edu
<b>Correspondent Name:</b>	KAREN SINCLAIR
<b>Address Line 1:</b>	1350 MASSACHUSETTS AVE
<b>Address Line 2:</b>	HARVARD UNIVERSITY, OFFICE OF TECH. DEV.
<b>Address Line 4:</b>	CAMBRIDGE, MASSACHUSETTS 02138
<b>ATTORNEY DOCKET NUMBER:</b>	5848
<b>NAME OF SUBMITTER:</b>	KAREN SINCLAIR
<b>SIGNATURE:</b>	/K.S./
<b>DATE SIGNED:</b>	02/05/2019
<b>Total Attachments: 4</b>	
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source=5848_16068463_HHMI_Inventors#page4.tif	

## CONFIRMATION OF ASSIGNMENT

Confirmation of Assignment made May 8, 2015, by Douglas A. Melton, 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 his employment, has signed the Intellectual Property Assignment Agreement (the "Intellectual Property Agreement");

WHEREAS, pursuant to the Intellectual Property Agreement, Inventor (a) assigned to HHMI all rights he had in any intellectual property resulting from research by HHMI employees, alone or with others, whether or not patentable or copyrightable, and whether funded in whole or in part by HHMI (each a "Subject Property") and (b) agreed to execute any agreements that may be desired by HHMI in connection with such assignment;

WHEREAS, Inventor has, alone or with others invented "Treatment with GDF11 Improves Glucose Tolerance and Reduces Hepatosteatosis" which may be the subject of a patent application (the "Invention"), and the Invention is a Subject Property; and

WHEREAS, Inventor seeks to confirm the assignment of his interest in the Invention to HHMI, and HHMI desires the execution of a confirmatory assignment of all of Inventor's right, title, and interest in the Invention.

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 confirms the assignment to HHMI of his entire right, title, and interest in the Invention; any United States patent applications and all corresponding foreign patent applications which are directed to the Invention 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 Invention 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 confirmatory assignments, documents, and other instruments as may be requested by HHMI in connection with the Invention 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 Invention.

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 his heirs, personal representatives, successors and assigns.

4. Warranty. Inventor warrants and represents that he has not entered into any assignment, contract, or understanding in conflict herewith.

Inventor: *Douglas A. Melton*  
Douglas A. Melton, PhD

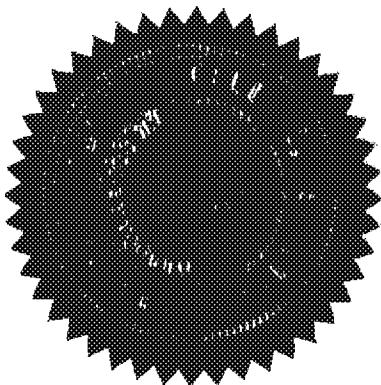
Commonwealth of Massachusetts

County of *Middlesex*

Then personally appeared before me the above-named Douglas A. Melton, PhD and acknowledged that he executed the foregoing instrument in his authorized capacity this 8<sup>th</sup> day of *May*, 2015

Notary Public: *Celia Schneider*  
*Celia Schneider*  
(print name)

My Commission Expires: *12/17/15*



## CONFIRMATION OF ASSIGNMENT

Confirmation of Assignment made May 22nd, 2015 by Ornella Barrandon, 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 Intellectual Property Assignment Agreement (the "Intellectual Property Agreement");

WHEREAS, pursuant to the Intellectual Property Agreement, Inventor (a) assigned to HHMI all rights she had in any intellectual property resulting from research by HHMI employees, alone or with others, whether or not patentable or copyrightable, and whether funded in whole or in part by HHMI (each a "Subject Property") and (b) agreed to execute any agreements that may be desired by HHMI in connection with such assignment;

WHEREAS, Inventor has, alone or with others invented "Treatment with GDF11 Improves Glucose Tolerance and Reduces Hepatosteatosis" which may be the subject of a patent application (the "Invention"), and the Invention is a Subject Property; and

WHEREAS, Inventor seeks to confirm the assignment of her interest in the Invention to HHMI, and HHMI desires the execution of a confirmatory assignment of all of Inventor's right, title, and interest in the Invention.

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 confirms the assignment to HHMI of her entire right, title, and interest in the Invention; any United States patent applications and all corresponding foreign patent applications which are directed to the Invention 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 Invention 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 confirmatory assignments, documents, and other instruments as may be requested by HHMI in connection with the Invention 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 Invention.

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, successors and assigns.

4. Warranty. Inventor warrants and represents that she has not entered into any assignment, contract, or understanding in conflict herewith.

Inventor:

Ornella Barrandon  
Ornella Barrandon, PhD

Commonwealth of Massachusetts

County of Middlesex

Then personally appeared before me the above-named Ornella Barrandon, PhD and acknowledged that she executed the foregoing instrument in her authorized capacity this 22nd day of May, 20 15

(SEAL)

Notary Public:

Celia Shneider  
Celia Shneider  
(print name)

My Commission Expires: 12/17/15

HU 5848  
HHMI 05974