

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT3298963

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
MALGORZATA BOROWIAK	08/10/2009
LANCE DAVIDOW	08/06/2009
JULIA L. FOX	08/13/2009
KELVIN LAM	08/21/2009
DOUGLAS MELTON	06/14/2010
LEE L. RUBIN	08/07/2009
HOWARD HUGHES MEDICAL INSTITUTE	06/14/2010
RECEIVING PARTY DATA	
Name:	President and Fellows of Harvard College
Street Address:	17 Quincy Street
City:	Cambridge
State/Country:	MASSACHUSETTS
Postal Code:	02138
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14282647
CORRESPONDENCE DATA	
Fax Number:	(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>	
Phone:	(617) 495-3058
Email:	denlyn_atherton@harvard.edu
Correspondent Name:	ANNE CRAIG
Address Line 1:	1350 MASSACHUSETTS AVE
Address Line 2:	HARVARD UNIVERSITY, OFFICE OF TECH. DEV.
Address Line 4:	CAMBRIDGE, MASSACHUSETTS 02138
ATTORNEY DOCKET NUMBER:	3197 US2 HU
NAME OF SUBMITTER:	ANNE I. CRAIG
SIGNATURE:	/aic/
DATE SIGNED:	04/06/2015

PATENT

Total Attachments: 28

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ASSIGNMENT

Assignor:
HOWARD HUGHES MEDICAL INSTITTUE
4000 Jones Bridge Road
Chevy Chase, MD 20815

Assignee:
PRESIDENT AND FELLOWS OF HARVARD COLLEGE
17 Quincy Street
Cambridge, MA 02138

WHEREAS, I, Douglas Melton, of Lexington, Massachusetts, as a duly appointed agent of Howard Hughes Medical Institute (HHMI), have developed certain inventions described in International PCT Patent Application No. PCT/US2009/041381 filed April 22, 2009, entitled: "compositions and methods for promoting the generation of pdx1 + pancreatic cells" which claims priority to provisional Patent Application No. 61/047,056 filed April 22, 2008, having full right to convey HHMI's entire right, title, and interest, both legal and equitable, in and to said inventions, free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and

WHEREAS, PRESIDENT AND FELLOWS OF HARVARD COLLEGE ("Assignee"), a non-profit corporation of the state of Massachusetts, having its principal place of business at 17 Quincy Street, Cambridge, Massachusetts 02138, is desirous of acquiring the entire right, title, and interest in and to said invention or inventions and any and all patents to be obtained therefore;

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt and sufficiency of which are hereby acknowledge by the undersigned does hereby sell, assign, transfer, and set over unto said Assignee, its successors and assigns, HHMI's entire right, title, and interest throughout the world in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any application filed in any foreign country based thereon, including the right to file said foreign applications and claim priority under the provisions of any international convention or treaty; also the entire right, title,

and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

The undersigned further agrees, without any further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence of interference purposes or for other legal proceedings whenever requested; testify in any interference or other legal proceedings, whenever requested; executed and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country.

IN TESTIMONY WHEREOF, the undersigned had hereunto set his/her hand and seal on the date after his/her signature.

Douglas Melton
Douglas Melton

6/14/10
Date

Stephanie Lavallee
Witness Signature

6/14/10
Date

Stephanie Lavallee
Witness's Printed Name

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the undersigned:

Malgorzata Borowiak, Shuibing Chen, Lance Davidow, Kelvin Lam, Julia Lamenzo, Douglas Melton, Lee L. Rubin, and Stuart L. Schreiber

(hereafter "Assignors") hereby assign, sell, and transfer to:

**President and Fellows of Harvard College
17 Quincy Street, Cambridge, Massachusetts 02138**

(hereafter "Assignee") its successors and assigns, Assignors' entire right, title and interest throughout the world in and to any and all inventions and improvements for:

*Compositions and Methods for Promoting the Generation of
~~PDXL+~~ Pancreatic Cells
PDX1+*

described in International PCT Patent Application No. PCT/US09/41381 filed 04/22/2009 which claims priority to provisional patent application no. 61/047,056 filed 4/22/2008; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application filed in this and any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

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Assignors further agree, without further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings, whenever requested; testify in any interference or other legal proceedings whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible to aid said Assignee,

Patent Assignment
HU Case 3197
Appln. No(s): PCT/US09/41381

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Date

Malgorzata Borowiak

Date

Witness

Witness's Printed Name

Date

Shuibing Chen

Date

Witness

Witness's Printed Name

Patent Assignment
HU Case 3197
Appln. No(s): PCT/US09/41381

Date

Lance Davidow

Date

Witness

Witness's Printed Name

Date

Kelvin Lam

Date

Witness

Witness's Printed Name

Patent Assignment
HU Case 3197
Appl. No(s): PCT/US09/41381

8/13/09
Date

Julia Lamenzo
Julia Lamenzo

8/13/09
Date

Lina Dell'Arria
Witness

LINA DELL'ARIA
Witness's Printed Name

Lina Dell'Arria
LINA DELL'ARIA
NOTARY PUBLIC
Commonwealth of Massachusetts
My Commission Expires July 20, 2012



Date

Douglas Melton

Date

Witness

Witness's Printed Name

Patent Assignment
HU Case 3197
Appl. No(s): PCT/US09/41381

Date

Lee L. Rubin

Date

Witness

Witness's Printed Name

Date

Stuart L. Schreiber

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Witness

Witness's Printed Name

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(hereafter "Assignors") hereby assign, sell, and transfer to:

**President and Fellows of Harvard College
17 Quincy Street, Cambridge, Massachusetts 02138**

(hereafter "Assignee") its successors and assigns, Assignors' entire right, title and interest throughout the world in and to any and all inventions and improvements for:

Compositions and Methods for Promoting the Generation of
~~PDX1~~ *+ Pancreatic Cells*

PDX1 + (h.b)

described in International PCT Patent Application No. PCT/US09/41381 filed 04/22/2009 which claims priority to provisional patent application no. 61/047,056 filed 4/22/2008; and in and to the aforesaid application(s), in any form or embodiment thereof, and in and to any application filed in this and any foreign country based thereon, including the right to file said applications and claim priority under the provisions of any international convention or treaty; also the entire right, title and interest throughout the world in and to any and all patents or reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions and any divisional, continuation, continuation-in-part or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and authorize and request the issuing authority to issue any and all patents on said application or applications to said Assignee or its successors and assigns.

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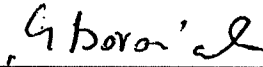
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08/10/2009

Date



Malgorzata Borowiak

Aug 10th 2009

Date



Witness

Shuibing Chen

Witness's Printed Name

Date

Shuibing Chen

Date

Witness

Witness's Printed Name

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Lee L. Rubin

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Witness

Witness's Printed Name

Date

Stuart L. Schreiber

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Witness

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***Compositions and Methods for Promoting the Generation of
PDXL+ Pancreatic Cells***

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Shuibing Chen

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8/06/2009

Date

Lance Davidow

Lance Davidow

8/06/2009

Date

Anthony C. Arvanites

Witness

Anthony C. Arvanites

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Date

Kelvin Lam

Date

Witness

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Lance Davidow

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08/21/09

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Kelvin Lam

Kelvin Lam

08/21/09

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Joel Blanchard

Witness

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Malgorzata Borowiak

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Shuibing Chen

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Douglas Melton

Date

Witness

Witness's Printed Name

Patent Assignment
HU Case 3197
Appl. No(s): PCT/US09/41381

8.7.09
Date


Lee L. Rubin

8.7.09
Date

Jane Lalonde
Witness


Witness's Printed Name

Date

Stuart L. Schreiber

Date

Witness

Witness's Printed Name

APPOINTMENT OF INVESTIGATOR AS AGENT

Appointment by the Howard Hughes Medical Institute ("HHMI") of Douglas A. Melton, PhD, an employee of HHMI, as its agent for the purpose of assigning certain rights to President and Fellows of Harvard College ("Institution").

WHEREAS, HHMI and Institution collaborate in the active conduct of medical research pursuant to an Agreement between them dated as of April 14, 2003 (the "Agreement");

WHEREAS, pursuant to the Agreement, HHMI has agreed to assign to Institution HHMI's rights with respect to inventions, discoveries, improvements, and other intellectual property, whether patentable or copyrightable (each a "Subject Property"), conceived or reduced to practice in the course of the research program conducted under the Agreement by employees of HHMI;

WHEREAS, research conducted pursuant to the Agreement by Douglas A. Melton, PhD while employed by HHMI at Institution has resulted in the invention of a certain Subject Property entitled "Compositions and Methods for Promoting the Generation of PDX1+ Pancreatic Progenitors," which is the subject of a patent application entitled "Compositions and Methods for Promoting the Generation of PDX1+ Pancreatic Progenitors" filed in the U.S. Patent and Trademark Office on April 22, 2008 with Serial Number 61/047,056 (the "Invention"), and the Invention is a Subject Property; and

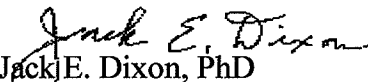
WHEREAS, HHMI wishes Douglas A. Melton, PhD to act as its agent for the purpose of assigning to Institution the rights HHMI has in the Invention by reason of the research program conducted at Institution.

NOW THEREFORE, HHMI hereby appoints Douglas A. Melton, PhD as its agent for the purpose of assigning the rights HHMI has or may acquire in the Invention by reason of the research program conducted at Institution to Institution in accordance with and subject to the conditions of the Agreement.

Executed: February 4, 2009

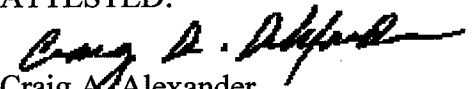
HOWARD HUGHES MEDICAL INSTITUTE

By:


Jack E. Dixon, PhD

Vice President and Chief Scientific Officer

ATTESTED:


Craig A. Alexander
Vice President and General Counsel

3197
HHMI 04000