

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4880794

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
EDWARD HOLSON	12/06/2013
FLORENCE FEVRIER WAGNER	12/06/2013
YAN -LING ZHANG	12/10/2013
BRIDGET WAGNER	12/10/2013
MICHAEL LEWIS	12/10/2013
KOBENHAVNS UNIVERSITET	11/11/2013
RECEIVING PARTY DATA	
Name:	THE BROAD INSTITUTE, INC.
Street Address:	7 CAMBRIDGE CENTER
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02142
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15678485
CORRESPONDENCE DATA	
Fax Number:	(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>	
Phone:	6176468000
Email:	jean.marte@wolfgreenfield.com
Correspondent Name:	WILLIAM ZHANG, PH.D.
Address Line 1:	WOLF, GREENFIELD & SACKS, P.C.
Address Line 2:	600 ATLANTIC AVENUE
Address Line 4:	BOSTON, MASSACHUSETTS 02210
ATTORNEY DOCKET NUMBER:	B1195.70036US02
NAME OF SUBMITTER:	WEI ZHANG
SIGNATURE:	/Wei Zhang/
DATE SIGNED:	03/23/2018

Total Attachments: 11

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ASSIGNMENT

We, Edward Holson, Florence Fevrier Wagner, Yan-Ling Zhang, Bridget Wagner and Michael Lewis, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, confirm that we have sold and assigned, and do hereby assign, sell and transfer to **The Broad Institute, Inc.**, with offices at **7 Cambridge Center, Cambridge, MA 02142**, and to its successors, assigns and legal representatives, collectively hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the international patent application entitled:

INHIBITORS OF HISTONE DEACETYLASE

filed with the United States Patent and Trademark Office Receiving Office on **July 29, 2013**, and assigned International Application No. **PCT/US2013/052572**, which claims priority to, and/or the benefit of, U.S. Provisional Application No. **61/676,496**, filed **July 27, 2012**, and including any national/regional phase applications, U.S. utility applications, renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications thereof; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in our names as the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

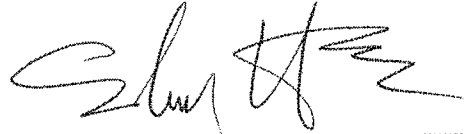
First Inventor : Edward Holson
Application No. : PCT/US2013/052572
Filed : July 29, 2013
Page 2 of 4

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to us and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 12-6-2013

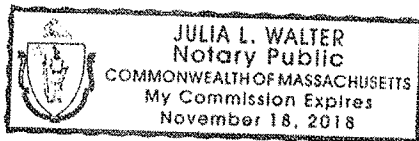


Signature of: Edward Holson

State of Massachusetts

County of Middlesex

On this 6th day of December, 2013, before me, the undersigned notary public, personally appeared **Edward Holson**, proved to me through satisfactory evidence of identification, which was a employee ID, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.


Notary Public

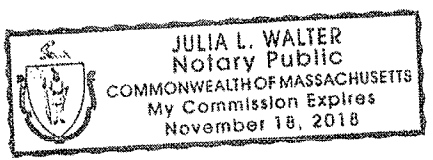
My commission expires 11/18/2018

First Inventor : Edward Holson
Application No. : PCT/US2013/052572
Filed : July 29, 2013
Page 3 of 4

Date: 12-06-2013 Florence Fevrier
Signature of: Florence Fevrier Wagner

State of Massachusetts
County of Middlesex

On this 6th day of December, 2013, before me, the undersigned notary public, personally appeared **Florence Fevrier Wagner**, proved to me through satisfactory evidence of identification, which was a employee ID, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.



Julia L. Walter
Notary Public
My commission expires 11/18/18

Date: _____
Signature of: Yan-Ling Zhang

State of _____
County of _____

On this _____ day of _____, 2013, before me, the undersigned notary public, personally appeared **Yan-Ling Zhang**, proved to me through satisfactory evidence of identification, which was a _____, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

Notary Public
My commission expires _____

First Inventor : Edward Holson
Application No. : PCT/US2013/052572
Filed : July 29, 2013
Page 4 of 4

Date: _____
Signature of: **Bridget Wagner**

State of _____
County of _____

On this _____ day of _____, 2013, before me, the undersigned notary public, personally appeared **Bridget Wagner**, proved to me through satisfactory evidence of identification, which was a _____, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

Notary Public
My commission expires _____

Date: _____
Signature of: **Michael Lewis**

State of _____
County of _____

On this _____ day of _____, 2013, before me, the undersigned notary public, personally appeared **Michael Lewis**, proved to me through satisfactory evidence of identification, which was a _____, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

Notary Public
My commission expires _____

ASSIGNMENT

We, Edward Holson, Florence Fevrier Wagner, Yan-Ling Zhang, Bridget Wagner and Michael Lewis, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, confirm that we have sold and assigned, and do hereby assign, sell and transfer to **The Broad Institute, Inc.**, with offices at **7 Cambridge Center, Cambridge, MA 02142**, and to its successors, assigns and legal representatives, collectively hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the international patent application entitled:

INHIBITORS OF HISTONE DEACETYLASE

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First Inventor : Edward Holson
Application No. : PCT/US2013/052572
Filed : July 29, 2013
Page 2 of 4

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Date: _____
Signature of: Edward Holson

State of _____
County of _____

On this _____ day of _____, 2013, before me, the undersigned notary public, personally appeared **Edward Holson**, proved to me through satisfactory evidence of identification, which was a _____, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

Notary Public
My commission expires _____

First Inventor : Edward Holson
Application No. : PCT/US2013/052572
Filed : July 29, 2013
Page 3 of 4

Date: _____

Signature of: Florence Fevrier Wagner

State of _____

County of _____

On this _____ day of _____, 2013, before me, the undersigned notary public, personally appeared **Florence Fevrier Wagner**, proved to me through satisfactory evidence of identification, which was a _____, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

Notary Public

My commission expires _____

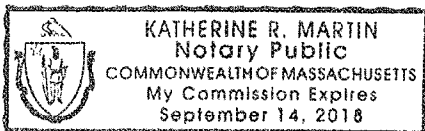
Date: 12/10/2013

Signature of: Yan-Ling Zhang

State of Massachusetts

County of Middlesex

On this 10th day of December, 2013, before me, the undersigned notary public, personally appeared **Yan-Ling Zhang**, proved to me through satisfactory evidence of identification, which was a employee ID, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

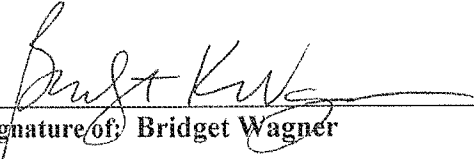


Katherine R. Martin
Notary Public

My commission expires 9/14/2018

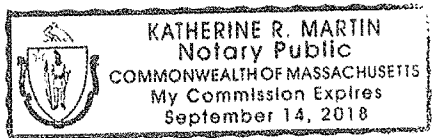
First Inventor : Edward Holson
Application No. : PCT/US2013/052572
Filed : July 29, 2013
Page 4 of 4


Date: 12/10/13


Signature of: **Bridget Wagner**

State of Massachusetts
County of Middlesex

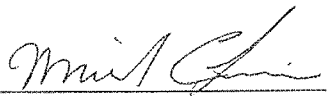
On this 10th day of December, 2013, before me, the undersigned notary public, personally appeared **Bridget Wagner**, proved to me through satisfactory evidence of identification, which was a employee ID, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.




Notary Public

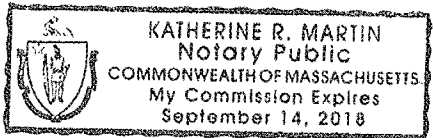
My commission expires 9/14/18

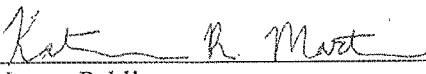
Date: 12/10/13


Signature of: **Michael Lewis**

State of Massachusetts
County of Middlesex

On this 10th day of December, 2013, before me, the undersigned notary public, personally appeared **Michael Lewis**, proved to me through satisfactory evidence of identification, which was a employee ID, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.




Notary Public

My commission expires 9/14/18

ASSIGNMENT

I, **Karen Laigaard**, employee and authorized legal representative of **København's Universitet**, having its place of business at **Nørregade 10, 1165 Copenhagen K Denmark** ("**University of Copenhagen**"), acting on behalf of the **University of Copenhagen**, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, hereby assign unto the **Broad Institute, Inc.**, having a place of business at **7 Cambridge Center, Cambridge, MA 02142, United States**, its successors, assigns and legal representatives, collectively hereinafter referred to as the ASSIGNEE (1) the entire right, title and interest in all countries throughout the world in and to any and all University of Copenhagen's inventions, discoveries and applications which are disclosed in the international patent application entitled:

INHIBITORS OF HISTONE DEACETYLASE

filed with the U.S. Patent and Trademark Office as Receiving Office on **July 29, 2013**, and assigned International Application Serial No. **PCT/US2013/052572**, which claims priority to, and/or the benefit of, United States Provisional Application No. **61/676,496**, filed July 27, 2012, including any national/regional phase applications, United States utility patent applications, and international patent applications filed under the Patent Cooperation Treaty ("PCT") claiming priority to **PCT/US2013/052572**, as well as any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof, and any substitute applications thereof; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in the name of the University of Copenhagen as the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue on the aforesaid inventions, discoveries and applications in any country of the world, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in and to all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the aforesaid inventions, discoveries and applications.

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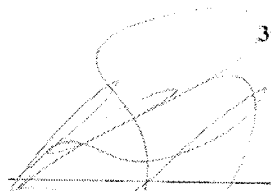
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Date: 11/11-2013

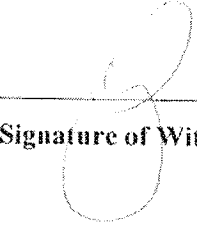


Signature of: Karen Laigaard
(authorized legal representative of
University of Copenhagen)

IN WITNESS WHEREOF, I, MITTE ANDREAS, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

Date: 11/11-2013

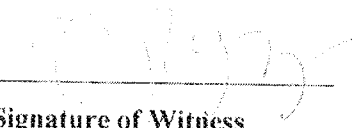


Signature of Witness

IN WITNESS WHEREOF, I, ANASTASSIA KIBUCHIKHOVA, hereby declare
(Printed Name of Witness)

that I was personally present and did see the above named person duly sign and execute the assignment.

Date: 11/11-2013



Signature of Witness