

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7962455

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HOWARD HUGHES MEDICAL INSTITUTE	02/16/2016
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: 3	
Property Type	Number
Application Number:	18184967
Application Number:	18185048
Application Number:	18297378
CORRESPONDENCE DATA	
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NAME OF SUBMITTER:	ANGELA M. GRIFFITH
SIGNATURE:	/Angela M. Griffith/
DATE SIGNED:	05/19/2023
Total Attachments: 3	
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ASSIGNMENT

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

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

WHEREAS, I, Xiaowei Zhuang, as a duly appointed agent of Howard Hughes Medical Institute (HHMI), have developed certain inventions described in **International Patent Application No. PCT/US15/42556, filed July 29, 2015**, entitled “**Systems and Methods for Determining Nucleic Acids**”, 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

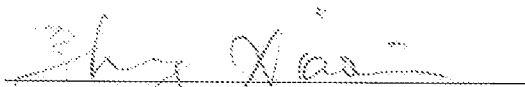
and any divisional, continuation, or substitute applications which may be filed upon said invention or inventions in this or any foreign country; and the undersigned hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to said Assignee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

For purposes of complying with foreign requirements, the above paragraph is intended to expressly grant all the recited rights and grants in China, Korea, and Japan.

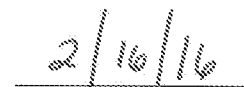
The undersigned further agrees, without any further payment or compensation by said Assignee or its successors and assigns, to communicate to said Assignee, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence of interference 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.

Assignor authorizes Assignee or Assignee's representative to supply and/or to correct any errors in the patent/application information provided above including but not limited to said application serial number(s) and filing date(s), prior to or after recordation.

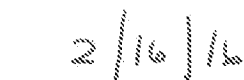
IN TESTIMONY WHEREOF, the undersigned had hereunto set his/her hand and seal on the date after his/her signature.


Xiaowei Zhuang

As duly appointed agent of the Howard Hughes Medical Institute


(Date)


Witness's Signature


(Date)


Witness's Printed Name

APPOINTMENT OF INVESTIGATOR AS AGENT

Appointment by the Howard Hughes Medical Institute ("HHMI") of Xiaowei Zhuang, 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 December 1, 2013 (the "Agreement");

WHEREAS, pursuant to the Agreement, HHMI has agreed to assign to Institution HHMI's rights in Subject Property (as defined in the Agreement) in accordance with an subject to the conditions of the Agreement;

WHEREAS, research conducted pursuant to the Agreement by Xiaowei Zhuang, PhD while employed by HHMI at Institution has resulted in the invention of a certain Subject Property entitled "Transcriptome-wide RNA Imaging Platform," which is the subject of a patent application entitled "Systems and Methods for Determining Nucleic Acids" filed in the U.S. Patent and Trademark Office on July 30, 2014 with Serial Number 62/031,062 (the "Invention"), and the Invention is a Subject Property; and

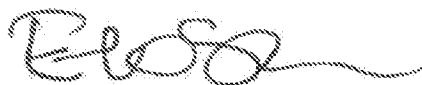
WHEREAS, HHMI wishes Xiaowei Zhuang, PhD to act as its agent for the purpose of assigning to Institution the rights HHMI has in the Invention by reason of the research program conducted at Institution.

NOW THEREFORE, HHMI hereby appoints Xiaowei Zhuang, PhD as its agent for the purpose of assigning the rights HHMI has or may acquire in the Invention to Institution in accordance with and subject to the conditions of the Agreement.

Executed: August 19, 2014

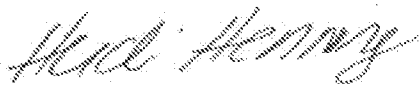
HOWARD HUGHES MEDICAL INSTITUTE

By:



Erin K. O'Shea, PhD
Vice President and Chief Scientific Officer

ATTESTED:



Heidi Henning
Vice President and General Counsel

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HHMI 05768