

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6648624

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HOWARD HUGHES MEDICAL INSTITUTE	04/08/2021
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
<b>Street Address:</b>	OFFICE OF THE GENERAL COUNSEL, BUILDING 170
<b>Internal Address:</b>	3RD FLOOR, MAIN QUAD, P.O. BOX 20386
<b>City:</b>	STANFORD
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94305-2038
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	61681551
<b>Application Number:</b>	16950640
<b>Patent Number:</b>	10545075
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)327-3231
<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>	6503273400
<b>Email:</b>	wetteland@bozpat.com
<b>Correspondent Name:</b>	BOZICEVIC FIELD & FRANCIS LLP
<b>Address Line 1:</b>	201 REDWOOD SHORES PARKWAY
<b>Address Line 2:</b>	SUITE 200
<b>Address Line 4:</b>	REDWOOD CITY, CALIFORNIA 94065
<b>ATTORNEY DOCKET NUMBER:</b>	STAN-942PRV;-942;-942CON
<b>NAME OF SUBMITTER:</b>	EDWARD J. BABA
<b>SIGNATURE:</b>	/Edward J. Baba, Reg. No. 52,581/
<b>DATE SIGNED:</b>	04/09/2021
<b>Total Attachments: 5</b>	
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## PATENT ASSIGNMENT

Attorney Docket Nos.: STAN-942

Stanford Docket No.: S12-036

WHEREAS, **Howard Hughes Medical Institute** ("Assignor"), having its principal place of business at **4000 Jones Bridge Road, Chevy Chase, Maryland, 20815-6789, U.S.**, holds the entire right, title, and interest in and to an invention entitled "Methods and Compositions for Preparing Biological Specimens for Microscopic Analysis" ("Invention"), the applications, and any and all Letters Patent or similar foreign or domestic legal protection of the Invention that are the subject matter of: (check all that apply)

- a provisional application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. 61/681,551 filed on August 9, 2012 ;
- an application for Letters Patent which is identifiable in the United States Patent and Trademark Office by Application No. 14/403,050 filed on November 21, 2014 and/or executed on even date herewith; and
- an international application for Letters Patent filed pursuant to the Patent Cooperation Treaty which is identifiable in the United States Patent and Trademark Office by Application No. PCT/US2013/031066 filed on March 13, 2013 and/or executed on even date herewith;

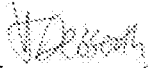
WHEREAS, **The Board of Trustees of the Leland Stanford Junior University**, a trust with corporate powers under the laws of the State of California and the United States of America, and having offices at **Building 170, Third Floor, Main Quad, P.O. Box 20386, Stanford, CA 94305-2038 USA**, ("Assignee") is desirous of acquiring the entire right, title, and interest in and to the Invention, the applications, and any and all Letters Patent or similar foreign or domestic legal protection;

NOW, THEREFORE, for good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, Assignor transfers to Assignee, its successors and assigns, its entire right, title, and interest in and to the Invention, the above-identified applications, the right to claim priority, all provisional applications from which any of the above-identified applications claim priority, corresponding domestic and foreign applications, any continuation, division, renewal, or substitute for the applications, all Letters Patent, any reissue, re-examination, or similar legal protection issuing related to the Letters Patent, and all rights and benefits under any applicable treaty or convention; and Assignor authorizes the Director of the United States Patent and Trademark Office or foreign equivalent to issue the Letters Patent or similar legal protection to the Assignee.

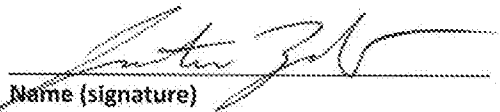
Assignor authorizes Assignee, its successors and assigns, to insert in this instrument the filing date(s) and application numbers when ascertained. Assignor further authorizes Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent or similar legal protection, in its own name if desired, in any and all foreign countries, and appoint Assignee the common representative in the above identified international application and any international application for the Invention.

Assignor represents to Assignee, its successors, and assigns, that Assignor has not and shall not execute any writing or do any act whatsoever conflicting with this Assignment. Assignor, its executors or administrators, will at any time upon request, without additional consideration, but at the expense of Assignee, its successors and assigns, execute and deliver to Assignee or its legal representatives such additional writings and do such additional acts as Assignee, its successors and assigns, may deem desirable to perfect its enjoyment of this grant, and render all assistance in

making application for and obtaining, maintaining, and enforcing the Letters Patent or similar legal protection on the invention in any and all countries, including without limitation providing testimony in any related interference, litigation, or proceeding.

  
\_\_\_\_\_ DH Chen Professor \_\_\_\_\_  
**Karl A. Deisseroth (signature)** Title  
On behalf of himself and for the Howard Hughes  
Medical Institute as Agent

\_\_\_\_\_ Karl Deisseroth \_\_\_\_\_ 04/06/21 \_\_\_\_\_  
**Name (print)** Date

  
\_\_\_\_\_ Assistant Director, Intellectual Property \_\_\_\_\_  
**Name (signature)** Title  
SIGNED FOR AND ON BEHALF OF THE ASSIGNEE,  
The Board of Trustees of The Leland Stanford Junior  
University

\_\_\_\_\_ Justin Zahrt \_\_\_\_\_ April 8, 2021 \_\_\_\_\_  
**Name (print)** Date

March 5, 2012

Karl Deisseroth, MD, PhD  
Early Career Scientist  
Stanford University  
Bioengineering  
W083 Clark Center  
318 Campus Drive  
Stanford, CA 94305

Dear Dr. Deisseroth:

I have received the executed form assigning your rights in the invention entitled "CLARITY: Method, Devices, Components, and Applications for Generating Biological Tissue Transparent to Light and Macromolecules," which is set forth on the invention disclosure dated February 7, 2012 (the "Invention"). HHMI has adopted the practice of appointing you as HHMI's agent for the purpose of assigning its rights in the Invention to The Board of Trustees of the Leland Stanford Junior University ("Institution"), as required under the collaborative arrangement between HHMI and Institution. Enclosed with this letter is an executed document appointing you as HHMI's agent for this purpose. I am sending a copy of the assignment(s), this letter and its enclosure to Maria Gladfelter at Institution.

As you are probably aware, you will be asked to execute an assignment of rights to Institution in the event a patent application is filed with respect to the Invention. To ensure that HHMI's rights are properly assigned to Institution, it is important that you have the enclosed executed document with you when you execute that assignment and that, after your signature, you write in "for himself and as agent for the Howard Hughes Medical Institute." If you have any questions at all about this procedure or your role in it, please contact me.

Sincerely,

  
Marina Kitzmiller

Enclosure

cc: Ms. Maria Gladfelter

APPOINTMENT OF INVESTIGATOR AS AGENT

Appointment by the Howard Hughes Medical Institute ("HHMI") of Karl Deisseroth, MD, PhD, an employee of HHMI, as its agent for the purpose of assigning certain rights to The Board of Trustees of the Leland Stanford Junior University ("Institution").

WHEREAS, HHMI and Institution collaborate in the active conduct of medical research pursuant to an Agreement between them dated as of August 31, 2002 (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;

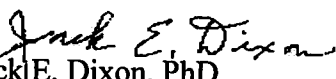
WHEREAS, research conducted pursuant to the Agreement by Karl Deisseroth, MD, PhD while employed by HHMI at Institution has resulted in the invention of a certain Subject Property entitled "CLARITY: Method, Devices, Components, and Applications for Generating Biological Tissue Transparent to Light and Macromolecules," which may be the subject of a patent application (the "Invention"), and the Invention is a Subject Property; and

WHEREAS, HHMI wishes Karl Deisseroth, MD, 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.

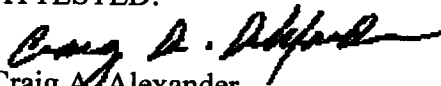
NOW THEREFORE, HHMI hereby appoints Karl Deisseroth, MD, PhD as its agent for the purpose of assigning the rights HHMI has or may acquire in the Invention by reason of the research program conducted at Institution to Institution in accordance with and subject to the conditions of the Agreement.

Executed: March 5, 2012

HOWARD HUGHES MEDICAL INSTITUTE

By:   
Jack E. Dixon, PhD  
Vice President and Chief Scientific Officer

ATTESTED:

  
Craig A. Alexander  
Vice President and General Counsel

S12-036  
HHMI 05084

PATENT  
REEL: 055876 FRAME: 0589



STANFORD UNIVERSITY • OFFICE OF TECHNOLOGY LICENSING

3000 EL CAMINO REAL • BUILDING FIVE SUITE 300 • PALO ALTO CA 94306-2100  
(650) 723-0651 • FAX (650) 725-7295

KARIN H. IMMERGLUCK  
EXECUTIVE DIRECTOR  
OFFICE OF TECHNOLOGY LICENSING

TO: Justin Zahrt

FROM: Karin Immergluck  
Executive Director

DATE: March 9, 2020

RE: DELEGATION OF SIGNATURE AUTHORITY: Assistant Director, Intellectual  
Property, Office of Technology Licensing

Pursuant to the Delegation of Signature Authority from the Vice Provost and Dean of Research to me as Executive Director by memorandum dated June 4, 2018, I hereby further delegate Signature Authority for transactions specified below to the Assistant Director, Intellectual Property. The Assistant Director, Intellectual Property, has the authority to sign documents or approve transactions relating to the filing, prosecution, registration and maintenance of intellectual property assets of Stanford University, including patent applications, patents, copyright works, and trademarks. This authority includes the powers to sign and certify official intellectual property-related government and patent office documents, including power of attorney documents and intellectual property assignment documents on behalf of the University as the assignee.

Even though the authority may exist to sign documents, custom, sound business practice and judgement, as well as the involvement of any novel legal issues or potentially significant legal exposure, should result in bringing matters of significant policy, budget, or legal impact to the attention of the Executive Director, and in the case of legal impact, to the Office of General Counsel, for approval. The authority granted here is not a substitute for compliance with existing University policies.

This Signature Authority may not be further delegated without the approval and further delegation from the Executive Director.

All delegations of Signature Authority must be filed with the Vice Provost and Dean of Research and the Office of General Counsel.

A handwritten signature in cursive script that reads "Karin H. Immergluck".

Karin H. Immergluck  
Executive Director  
Office of Technology Licensing