

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4525472

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Scott Sternson	07/27/2017
Peter Lee	07/26/2017
Christopher Magnus	07/10/2017
RECEIVING PARTY DATA	
Name:	Howard Hughes Medical Institute
Street Address:	4000 Jones Bridge Road
City:	Chevy Chase
State/Country:	MARYLAND
Postal Code:	20815-6789
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	15644295
Application Number:	62359534
PCT Number:	US2017041147
CORRESPONDENCE DATA	
Fax Number:	(877)769-7945
<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:	(612) 278-4506
Email:	apsi@fr.com
Correspondent Name:	MARGARET S. WILLIS
Address Line 1:	FISH & RICHARDSON P.C.
Address Line 2:	P.O.BOX 1022
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022
ATTORNEY DOCKET NUMBER:	30872-0014001
NAME OF SUBMITTER:	JILL A. WRIGHT
SIGNATURE:	/Jill A. Wright/
DATE SIGNED:	07/28/2017
Total Attachments: 5	

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PATENT

REEL: 043127 FRAME: 0648

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, SCOTT STERNSON, PETER LEE, and CHRISTOPHER MAGNUS, each individually assign to HOWARD HUGHES MEDICAL INSTITUTE, a corporation formed under the laws of Maryland and having a principal place of business at 4000 Jones Bridge Road, Chevy Chase, MD 20815-6789, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of a patent application that names us as inventors, is titled "MODIFIED LIGAND-GATED ION CHANNELS AND METHODS OF USE," and was filed in the United States Patent and Trademark Office on April 18, 2017, as application 62/359,534, U.S. Application No. 15/644,295, filed July 7, 2017 and International Application No. PCT/US2017/041147, filed July 7, 2017 (the "Application").


This Assignment assigns (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

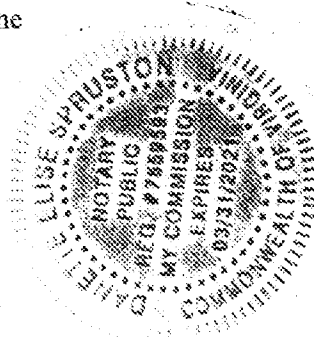
We will communicate to the Assignee (or at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter, will execute and provide all oaths and

declarations, statements, testimony, assignments, powers of attorney, applications, and documents, and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.



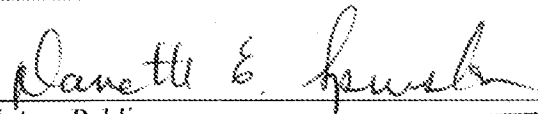
Scott Sternson

DATE: 7/27/17



City/County of Ashburn/Loudoun
Commonwealth of Virginia

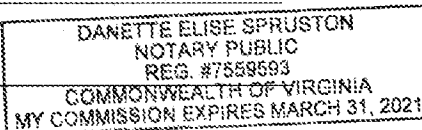
The foregoing instrument was acknowledged before me this 27th day of July, 20 17 by
Scott Sternson



Notary Public

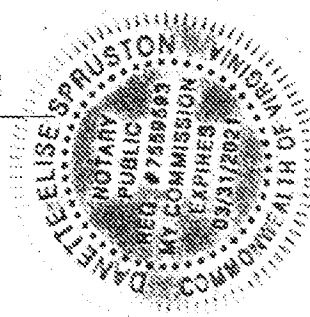
Notary registration number: _____

My commission expires: _____



Peter H. Lee
Peter Lee

DATE: July 26, 2017



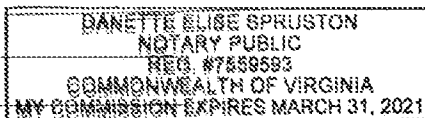
City/County of Ashburn, Loudoun
Commonwealth of Virginia

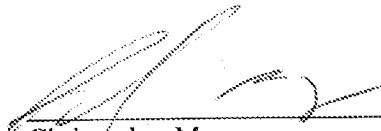
The foregoing instrument was acknowledged before me this 26th day of July, 20 17 by
Peter H. Lee

Danette E. Spruston
Notary Public

Notary registration number: _____

My commission expires: _____

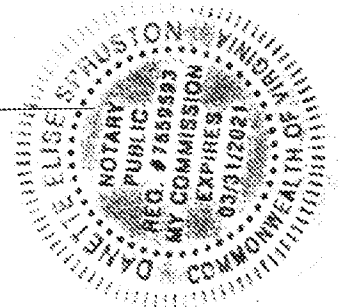




Christopher Magnus


DATE: _____

7/10/17



City/County of Ashburn, Loudon
Commonwealth of Virginia

The foregoing instrument was acknowledged before me this 10th day of July, 20 17 by



Notary Public

Notary registration number: _____

My commission expires: _____

DANETTE ELISE SPRUSTON
NOTARY PUBLIC
REG. #7559593
COMMONWEALTH OF VIRGINIA
MY COMMISSION EXPIRES MARCH 31, 2021

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: HOWARD HUGHES MEDICAL INSTITUTE

Signature: [Signature] Date: July 27, 2017

Name: Gerald R. Rubin, HHMI Vice President and

Title: Executive Director, Janelia Research Campus

City/County of Ashburn, Loudoun

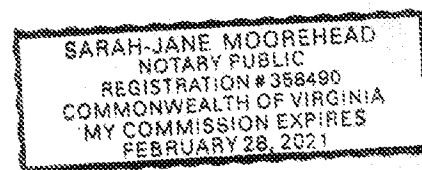
Commonwealth of Virginia

The foregoing instrument was acknowledged before me this 27th day of July, 20 17 by
Gerald M. Rubin

[Signature]
Notary Public

Notary registration number: 358490

My commission expires: 2/28/2021



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