

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Karl Deisseroth</td> <td>07/05/2013</td> </tr> <tr> <td>Alexander Aravanis</td> <td>04/19/2013</td> </tr> <tr> <td>Feng Zhang</td> <td>04/24/2013</td> </tr> <tr> <td>M. Bret Schneider</td> <td>04/20/2013</td> </tr> <tr> <td>Jaimie M. Henderson</td> <td>04/22/2013</td> </tr> </tbody> </table>		Name	Execution Date	Karl Deisseroth	07/05/2013	Alexander Aravanis	04/19/2013	Feng Zhang	04/24/2013	M. Bret Schneider	04/20/2013	Jaimie M. Henderson	04/22/2013
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<table border="1"> <tr> <td>Name:</td> <td>The Board of Trustees of the Leland Stanford Junior University</td> </tr> <tr> <td>Street Address:</td> <td>1705 El Camino Real</td> </tr> <tr> <td>City:</td> <td>Palo Alto</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94306-1106</td> </tr> </table>		Name:	The Board of Trustees of the Leland Stanford Junior University	Street Address:	1705 El Camino Real	City:	Palo Alto	State/Country:	CALIFORNIA	Postal Code:	94306-1106		
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CORRESPONDENCE DATA													
<p>Fax Number: 6503273231 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 6503273400 Email: hall@bozpat.com Correspondent Name: Paula A. Borden Address Line 1: 1900 University Avenue Address Line 2: Suite 200 Address Line 4: East Palo Alto, CALIFORNIA 94303</p>													
ATTORNEY DOCKET NUMBER:	STAN-913DIV												
NAME OF SUBMITTER:	Paula A. Borden												

OP \$40.00 13847785

Signature:	/Paula A. Borden, Reg. No. 42,344/
Date:	09/03/2013
Total Attachments: 5 source=Stan-913DIV_Executed_Assignments#page1.tif source=Stan-913DIV_Executed_Assignments#page2.tif source=Stan-913DIV_Executed_Assignments#page3.tif source=Stan-913DIV_Executed_Assignments#page4.tif source=Stan-913DIV_Executed_Assignments#page5.tif	

ASSIGNMENT OF APPLICATION

Atty Docket No. STAN-913DIV

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THIS ASSIGNMENT, by **Deisseroth, Karl** residing in Stanford, California, **Aravanis, Alexander** residing in San Diego, California, **Zhang, Feng** residing in Cambridge, Massachusetts, **Schneider, M. Bret** residing in Portola Valley, California and **Henderson, Jaimie M.** residing in Stanford, California (hereinafter referred to as the assignors), witnesseth:

WHEREAS, the said assignors have invented certain new and useful improvements in:

"Optical Tissue Interface Method and Apparatus for Stimulating Cells"

X filed on March 20, 2013 as U.S. Application Serial No. or PCT International Application No. 13/847,785 designating the United States;

_____ for which an application for a United States Patent was executed on _____, and

WHEREAS, **The Board of Trustees of the Leland Stanford Junior University**, a non-profit organization duly organized under and pursuant to the laws of California, and having its principal place of business at 1705 El Camino Real, Palo Alto, California 94306-1106 (hereinafter referred to as the assignee), is desirous of acquiring their right, title and interest in and to said invention and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon;

NOW THEREFORE, for good and sufficient considerations, the receipt of which is hereby acknowledged, said assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the assignee, its successors, legal representatives and assigns, all of their right, title and interest in and to the above-mentioned invention, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and that said assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors will, whenever counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said invention, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said invention in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said invention, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignors hereby request the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said invention and the Letters Patent to be issued thereon for the use and behalf of said assignee, its successors, legal representatives and assigns.

Date

7/5/13

Name of Inventor



Deisseroth, Karl

Date

Name of Inventor

Aravanis, Alexander

PATENT

REEL: 031128 FRAME: 0666

Page 1 of 2

ASSIGNMENT OF APPLICATION

Atty Docket No. STAN-913DIV
Page 2 of 2

Date 4-24-2013

Name of Inventor

Feng Zhang
Zhang, Feng

Date _____

Name of Inventor

Schneider, M. Bret

Date _____

Name of Inventor

Henderson, Jaimie M.

Hereby accepted on behalf of the assignee

Signature

Date

Name (print)

Title and Company

ASSIGNMENT OF APPLICATION

Atty Docket No. STAN-913DIV
Page 2 of 2

Date _____

Name of Inventor _____

Date 4/20/2013

Name of Inventor Zhang, Feng
M. J. Schneider
Schneider, M. Bret

Date _____

Name of Inventor _____
Henderson, Jaimie M.

Hereby accepted on behalf of the assignee

Signature _____

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Zhang, Feng

Date _____

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Schneider, M. Bret

Date 4/22/13

Name of Inventor _____

Henderson, Jaimie M.

Hereby accepted on behalf of the assignee



Signature

Aug. 23, 2013

Paula A. Borden

Date

Name (print)

Patent Agent; Bozicevic, Field & Francis LLP

Title and Company