

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>Arthur J. Epstein</td> <td>11/16/2012</td> </tr> <tr> <td>Derek J. Hansford</td> <td>05/15/2013</td> </tr> <tr> <td>Yanyin Yang</td> <td>11/19/2012</td> </tr> </tbody> </table>		Name	Execution Date	Arthur J. Epstein	11/16/2012	Derek J. Hansford	05/15/2013	Yanyin Yang	11/19/2012		
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>The Ohio State University</td> </tr> <tr> <td>Street Address:</td> <td>1524 North High Street</td> </tr> <tr> <td>City:</td> <td>Columbus</td> </tr> <tr> <td>State/Country:</td> <td>OHIO</td> </tr> <tr> <td>Postal Code:</td> <td>43201</td> </tr> </table>		Name:	The Ohio State University	Street Address:	1524 North High Street	City:	Columbus	State/Country:	OHIO	Postal Code:	43201
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11992455</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11992455						
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CORRESPONDENCE DATA											
Fax Number:	4192559639										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
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ATTORNEY DOCKET NUMBER:	1-53352/OSU-2005-065										
NAME OF SUBMITTER:	Catherine B. Martineau										
Signature:	/Catherine B. Martineau/										

Date:

05/29/2013

Total Attachments: 4

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ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we, the undersigned, Arthur Epstein, a U.S. citizen, residing at 55 South Merkle Road, Bexley, OH 43054 (US); Derek Hansford, a U.S. citizen, residing at 607 Glenmont Avenue, Columbus, OH 43214 (US) and Yang Yanyin, a Chinese citizen, residing at 214 East Norwich Ave., Apt. G, Columbus, OH 43210 (US) (hereinafter "Assignors") hereby sell, assign and transfer to The Ohio State University, an Institution of Higher Education in the State of Ohio having offices located at the Technology Commercialization and Knowledge Transfer Office, 1524 North High Street, Columbus, Ohio 43201 (hereinafter "Assignee"), its successors, assigns and legal representatives, the entire right, title and interest, in and to any and all inventions which are disclosed in:

U.S. Provisional Patent Application No. 60/719,236; filed September 21, 2005; Entitled: ELECTRICAL STIMULATION OF CELL AND TISSUE GROWTH WITH TWO-AND THREE-DIMENSIONALLY PATTERNED ELECTRODES

U.S. Patent Application No. 11/992,455; filed February 16, 2010; Entitled: ELECTRICAL STIMULATION OF CELL AND TISSUE GROWTH WITH TWO-AND THREE-DIMENSIONALLY PATTERNED ELECTRODES

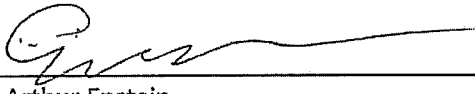
SUCH ASSIGNMENT shall be in and to each said application and extensions thereof including all rights of priority arising therefrom and in and to all non-provisional, divisional, continuing applications, substitute, renewal, reissue applications, all provisional applications directed to the same invention which have been or will be filed and all other applications for Letters Patent which have been or shall be filed in the United States and all countries of the world and all international applications on any of said inventions, and in and to all original and reissued patents which have been or shall be issued in the United States and all countries of the world on said invention. We hereby authorize and request the Commissioner of Patents or other proper Officer to issue such Letters Patent to the above Assignee, its successors and/or assigns.

ASSIGNORS also agree that said Assignee may apply for, receive and maintain Letters Patent for said inventions in its own name; and that, when requested, without charge to, but at the expense of said Assignee, its successors, assigns and legal representatives, Assignors will carry out in good faith the intent and purpose of this assignment and that the undersigned will execute all divisional, continuing, substitute, renewal, reissue and all other patent applications on any and all said inventions for the U.S., all other countries of the world and under all treaties; and will execute all rightful oaths, supplemental oaths, preliminary statements, assignments, powers of attorney, assurance of title, declarations and other papers for the U.S., all other countries and under all treaties, and will communicate to said Assignee, its successors, assigns and representatives, all facts known to the undersigned relating to said inventions and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said inventions, and for complying with applicable law and for vesting title to said inventions and all applications for patents and all patents on said inventions in said Assignee, its successors, assigns and legal representatives for the U.S., all other countries and under all related treaties.

ASSIGNORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country as proof of the right of said

Assignee to apply for, defend or enforce a patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority,

ASSIGNORS FURTHER covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 11/16/12 By: 
Arthur Epstein

WITNESSED BY:

Terricka Tyndell

Printed Name Terricka Tyndell

Date: 11/16/12

WITNESSED BY:

Jennifer Warner

Printed Name Jennifer Warner

Date: 11/16/2012

Date: _____ By: _____
Derek Hansford

WITNESSED BY:

Printed Name _____

Date: _____

WITNESSED BY:

Printed Name _____

Date: _____

ASSIGNORS hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any document which may be required in any country as proof of the right of said Assignee to apply for, defend or enforce a patent or other form of protection for said inventions and to claim the aforesaid benefit of the right of priority,

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Date: _____ By: _____
Arthur J. Epstein

WITNESSED BY:

Printed Name _____

Date: _____

WITNESSED BY:

Printed Name _____

Date: _____

Date: May 15, 2013 By: *Derek H. Hansford*
Derek H. Hansford

WITNESSED BY:

David P. Scarlett

Printed Name David P. Scarlett

Date: 15 May 13


WITNESSED BY:

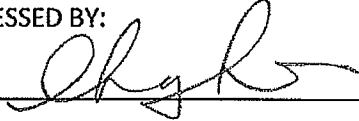
Robert J. Davis

Printed Name Robert J. Davis

Date: 15 May 2013

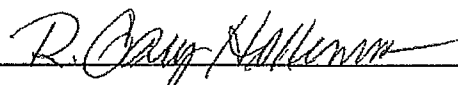
Date: 19 NOV. 2012

By: 
Yanyin Yang

WITNESSED BY:


Printed Name CHONG LIU

Date: 11-20-2012

WITNESSED BY:


Printed Name R. GARY HALLENBECK

Date: 19 NOV 12