

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT3900702

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JOEL S. SCHUMAN M.D.	12/12/2014
CHAIM-GADI WOLLSTEIN	12/09/2014
HIROSHI ISHIKAWA	12/09/2014
RECEIVING PARTY DATA	
Name:	UNIVERSITY OF PITTSBURGH-OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION
Street Address:	200 GARDNER STEEL CONFERENCE CENTER
Internal Address:	THACKERAY AND O'HARA STREETS
City:	PITTSBURGH
State/Country:	PENNSYLVANIA
Postal Code:	15260
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15022711
CORRESPONDENCE DATA	
Fax Number:	(404)962-6849
<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:	4048852773
Email:	ryan.schneider@troutmansanders.com
Correspondent Name:	TROUTMAN SANDERS LLP
Address Line 1:	600 PEACHTREE ST NE
Address Line 2:	STE 5200
Address Line 4:	ATLANTA, GEORGIA 30308
ATTORNEY DOCKET NUMBER:	GTRC6466 - 011529.112427
NAME OF SUBMITTER:	RYAN A. SCHNEIDER
SIGNATURE:	/Ryan A. Schneider, Reg. #45083/
DATE SIGNED:	06/02/2016
Total Attachments: 5 source=Assignment#page1.tif	

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ASSIGNMENT

WHEREAS, WE, JOEL S. SCHUMAN, M.D., CHAIM-GADI WOLLSTEIN and HIROSHI ISHIKAWA (collectively "Assignor"), have invented certain improvements in SYSTEMS AND METHODS FOR DISEASE PROGRESSION MODELING, which claims priority to and the benefit of PCT Application No. PCT/US2014/056671, international filing date 19 September 2014, which claims priority to and the benefit of U.S. Provisional Patent Application No. 61/880,246, filed on 20 September 2013 (collectively "Application"), and whereas future US and foreign patent applications may be filed, and whereas

University of Pittsburgh-Of the Commonwealth System of Higher Education
200 Gardner Steel Conference Center
Thackeray and O'Hara Streets
Pittsburgh, PA 15260
United States of America

("Assignee") desires to purchase all the rights in same;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations paid by the said Assignee, the receipt and sufficiency of which are hereby acknowledged, Assignor has and by these presents does hereby sell, assign, transfer and convey unto said Assignee all of Assignor's rights, title, and interest in and to said Applications, including in and to any provisional, conventional, design, division, continuation, continuation-in-part, substitution, reissue, renewal, reexam, continued prosecution application ("CPA"), or request for continued examination ("RCE") thereof, and in and to all inventions and improvements thereon (herein collectively referred to as "Related US Applications"), preparatory to obtaining Letters Patent of the United States therefor; and Assignor hereby requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent of the United States resulting from said Applications and Related US Applications, to Assignee, for its interest and for the sole use and benefit of Assignee and its assigns and legal representatives.

For the same consideration, Assignor, by these presents does sell, assign, and transfer to Assignee all of Assignor's rights, title and interest in and to any foreign and international applications related to and/or seeking benefit of one or more said Applications and Related US Applications, and in and to all inventions and improvements thereon (herein collectively referred to as "Related Foreign Applications"), in and to any Letters Patent and similar protective rights granted on said Related Foreign Applications, and in and to the right to claim any applicable priority rights arising from or required for said Related Foreign Applications under the terms of any applicable conventions, treaties, statutes, or regulations, said Related Foreign Applications to be filed and issued in the name of Assignee or its designee, insofar as permitted by applicable law.

For the same consideration, Assignor agrees, without charge to Assignee, but at Assignee's expense, to sign all lawful papers, execute said Applications, Related US Applications and Related Foreign Applications, make all assignments and rightful oaths, assist in prosecution of said Applications, Related US Applications and Related Foreign Applications, assist in prosecution of legal proceedings, and generally do everything reasonably possible to aid

Assignee its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in all countries throughout the world.

AND, for the same consideration, Assignor also hereby sells, assigns and transfers unto Assignee all of Assignor's rights and claims to sue for damages and other remedies with respect to any and all past infringement of all said Applications, Related US Applications, and Related Foreign Applications, including said inventions and improvements which may have occurred before the date of this Assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this 12 day of December, 2014.

Joel S. Schuman (SEAL)
Joel S. Schuman, M.D.

Witnessed by: [Signature]
Signature

Date: 12/12/2014

K.S. Stoberski
Printed Name of Witness

Witnessed by: [Signature]
Signature

Date: 12/12/14

Jane Wuenschel
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2014.

Joel S. Schuman, M.D. (SEAL)

State of _____

County of _____

On this ____ day of _____, 2014, before me, a notary public, came to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

NOTARY PUBLIC

(SEAL)

My Commission Expires:

TROUTMAN SANDERS

AND, for the same consideration, Assignor also hereby sells, assigns and transfers unto Assignee all of Assignor's rights and claims to sue for damages and other remedies with respect to any and all past infringement of all said Applications, Related US Applications, and Related Foreign Applications, including said inventions and improvements which may have occurred before the date of this Assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this 9 day of Dec., 2014.

G. Wollstein (SEAL)
Chaim-Gadi Wollstein

Witnessed by: Lori Ann Young
Signature

Date: 12/9/2014

LORI ANN YOUNG
Printed Name of Witness

Witnessed by: J.P. Sanders
Signature

Date: 12/9/2014

J.P. Sanders
Printed Name of Witness

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2014.

(SEAL)
Chaim-Gadi Wollstein

State of _____

County of _____

On this _____ day of _____, 2014, before me, a notary public, came to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

NOTARY PUBLIC

(SEAL)

My Commission Expires:

TROUTMAN
SANDERS

AND, for the same consideration, Assignor also hereby sells, assigns and transfers unto Assignee all of Assignor's rights and claims to sue for damages and other remedies with respect to any and all past infringement of all said Applications, Related US Applications, and Related Foreign Applications, including said inventions and improvements which may have occurred before the date of this Assignment.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this 9 day of December, 2014.

[Signature] (SEAL)
Hiroshi Ishikawa

Witnessed by: [Signature]
Signature
LORI ANN YOUNG
Printed Name of Witness

Date: 12/9/2014

Witnessed by: [Signature]
Signature
Jp Abinader
Printed Name of Witness

Date: 12/9/2014

SECTION BELOW IS FOR USE ONLY IF SIGNING IN PRESENCE OF A NOTARY

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2014.

Hiroshi Ishikawa (SEAL)

State of _____

County of _____

On this ____ day of _____, 2014, before me, a notary public, came to me known and known to be the individual described in and who executed the foregoing assignment, and he duly acknowledged the same to be his free act and deed.

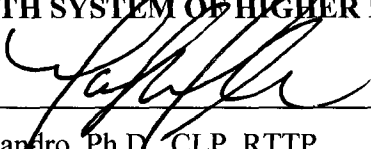
NOTARY PUBLIC

(SEAL)

My Commission Expires:

In WITNESS WHEREOF, Assignee hereby accepts from Assignor the sale, assignment, transfer and conveyance unto said Assignee of the full, exclusive and entire right, title, and interest in and to said Applications, by its duly authorized officer this 10 day of Dec, 2014.

**UNIVERSITY OF PITTSBURGH-OF THE
COMMONWEALTH SYSTEM OF HIGHER EDUCATION**
(Assignee)

By: 

Name: Marc S. Malandro, Ph.D., CLP, RTTP

Title: Associate Vice Chancellor
Technology Management and Commercialization

Witnessed by: 
Signature

Date: 10 Dec 2014

Carla D. Crawford
Printed Name of Witness

Witnessed by: 
Signature

Date: 10 Dec 2014

MARTANIA C. FELTON
Printed Name of Witness