

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4285579

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
LIAN CHYE WINSTON KOH	07/12/2013
STEPHEN R. QUAKE	09/05/2013
HEI-MUN CHRISTINA FAN	07/08/2013
WENYING PAN	07/23/2013
RECEIVING PARTY DATA	
Name:	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
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City:	STANFORD
State/Country:	CALIFORNIA
Postal Code:	94305-2038
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	15377894
Application Number:	15377901
Application Number:	15377904
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	STAN-1368DIVCON_2_3
NAME OF SUBMITTER:	PAMELA J. SHERWOOD

SIGNATURE:	/Pamela J. Sherwood, Reg. No. 36,677/
DATE SIGNED:	02/22/2017
Total Attachments: 7 source=S12-013_STAN-1368DIVCON_2_3_Assignment#page1.tif source=S12-013_STAN-1368DIVCON_2_3_Assignment#page2.tif source=S12-013_STAN-1368DIVCON_2_3_Assignment#page3.tif source=S12-013_STAN-1368DIVCON_2_3_Assignment#page4.tif source=S12-013_STAN-1368DIVCON_2_3_Assignment#page5.tif source=S12-013_STAN-1368DIVCON_2_3_Assignment#page6.tif source=S12-013_STAN-1368DIVCON_2_3_Assignment#page7.tif	

ASSIGNMENT

WHEREAS we, the below named inventors,

Lian Chye Winston Koh, Stephen R. Quake, Hei-Mun Christina Fan, and Wenying Pan

hereinafter referred to as "Assignors" have made an invention(s) set forth in an application for patent of the United States, entitled: **METHODS FOR PROFILING AND QUANTITATING CELL-FREE RNA**

for which we filed a U.S. nonprovisional patent application on **January 28, 2013** which bears U.S. Patent Application Serial No. 13/752,131; and

WHEREAS, THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY, having a principal office at 1705 El Camino Real, Palo Alto, California 94306-1106, United States (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Inventions; the applications for patent identified above; the right to file applications for patent of the United States or other countries on the Inventions; any application for patent of the United States or other countries claiming priority to these applications; any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignors have not done so already via a prior agreement with the Assignee, or if the Assignors have already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignors have sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignors' entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application for patent identified above;
- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;
- (d) any application(s) for patent of the United States or other countries claiming the Invention(s);
- (e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified above or any application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and

(f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) – (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made.

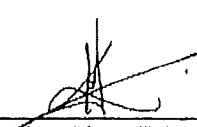
The Assignors hereby represent to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignors are lawful owners of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that the Assignors will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignors hereby request the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: 30112 2013

By: _____


Lian Chye Winston Koh

State of _____)

County of _____)

ss.

On _____, before me, _____, Notary Public, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

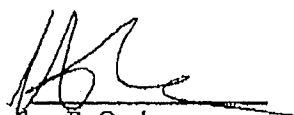
Signature of Notary Public

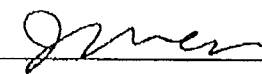
Place Notary Seal Above

My Commission Expires: _____

Date:

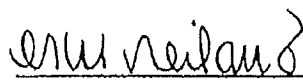
By:


Stephen R. Quake
"for himself and as agent for the
Howard Hughes Medical Institute"


Witness 1 Signature

9-5-2013
Date

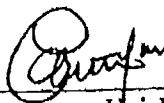
Jill M. Chinen
Witness 1 Name


Witness 2 Signature

9-5-2013
Date

Erin Reiland
Witness 2 Name

Date: July 8, 2013

By: 
Hei-Mun Christina Fan

State of _____)
County of _____) ss.

On _____, before me, _____, Notary Public, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

Place Notary Seal Above

My Commission Expires: _____

Date: 7/23/2013

By: Wenying Pan
Wenying Pan

State of _____)
County of _____) ss.

On _____, before me, _____, Notary Public, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence, to be the person whose name is subscribed to the within instrument and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature of Notary Public

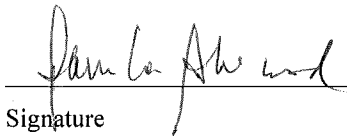
Place Notary Seal Above

My Commission Expires: _____

ASSIGNMENT OF APPLICATION

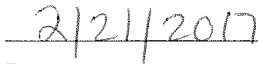
Page 7

Hereby accepted on behalf of the assignee



Signature

Pamela J. Sherwood



Date

Name (print)

Senior Patent Agent

Bozicevic, Field & Francis LLP

Title and Company