

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3391619

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
NING JIANG	12/08/2012
STEPHEN R. QUAKE	12/18/2012
JOSHUA WEINSTEIN	01/21/2013
DANIEL S. FISHER	12/09/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY
<b>Street Address:</b>	P.O. BOX 20386
<b>Internal Address:</b>	OFFICE OF THE GENERAL COUNSEL, BUILDING 170, 3RD FLOOR, MAIN QUAD
<b>City:</b>	STANFORD
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94305-2038
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14735066
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(650)327-3231
<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>	
<b>Phone:</b>	6503273400
<b>Email:</b>	moore@bozpat.com
<b>Correspondent Name:</b>	BOZICEVIC, FIELD & FRANCIS LLP
<b>Address Line 1:</b>	1900 UNIVERSITY CIRCLE
<b>Address Line 2:</b>	SUITE 200
<b>Address Line 4:</b>	EAST PALO ALTO, CALIFORNIA 94303
<b>ATTORNEY DOCKET NUMBER:</b>	STAN-747CON
<b>NAME OF SUBMITTER:</b>	PAMELA J. SHERWOOD
<b>SIGNATURE:</b>	/Pamela J. Sherwood, Reg. No. 36,677/
<b>DATE SIGNED:</b>	06/10/2015

**Total Attachments: 6**

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## ASSIGNMENT OF APPLICATION

Atty Docket No. STAN-747

Page 1 of 3

THIS ASSIGNMENT, by **Jiang, Ning** residing in Stanford, California, **Quake, Stephen R.** residing in Stanford, California, **Weinstein, Joshua** residing in Stanford, California, and **Fisher, Daniel S.** residing in Los Altos (hereinafter referred to as the assignors), witnesseth:

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

"Measurement and Comparison of Immune Diversity by High-Throughput Sequencing"

X filed on May 6, 2011 as PCT International Application No. PCT/US11/35507 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 12/8/2012

Name of Inventor   
Jiang, Ning

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_  
Quake, Stephen R.

PATENT

REEL: 035886 FRAME: 0626

ASSIGNMENT OF APPLICATION

Atty Docket No. STAN-747

13/696,375 Filed

Page 2 of 3

Date 1/21/2013

Name of Inventor 

Weinstein, Joshua

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

Fisher, Daniel S.

PATENT

REEL: 035886 FRAME: 0627

ASSIGNMENT OF APPLICATION

Atty Docket No. STAN-747  
13/696,375 Filed  
Page 3 of 3

Hereby accepted on behalf of the assignee

*Katharine Ku*

Signature

01/24/2013

Katharine Ku

Date

Name (print)

Director, Technology Licensing, The Board of Trustees of the Leland Stanford Junior University

Title and Company

## ASSIGNMENT OF APPLICATION

Atty Docket No. STAN-747

Page 1 of 3

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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 \_\_\_\_\_

Name of Inventor \_\_\_\_\_

Jiang, Ning

Date Dec 15 2011

Name of Inventor \_\_\_\_\_

Quake, Stephen R.

PATENT

REEL: 035886 FRAME: 0629

ASSIGNMENT OF APPLICATION

Atty Docket No. STAN-747  
13/696,375 Filed  
Page 2 of 3

Date \_\_\_\_\_

Name of Inventor \_\_\_\_\_

Weinstein, Joshua

Date

12/9/12

Name of Inventor



Fisher, Daniel S.

PATENT

REEL: 035886 FRAME: 0630

ASSIGNMENT OF APPLICATION

Atty Docket No. STAN-747  
13/696,375 Filed  
Page 3 of 3

Hereby accepted on behalf of the assignee

*Katharine Ku*

Signature

01/24/2013

Katharine Ku

Date

Name (print)

Director, Technology Licensing, The Board of Trustees of the Leland Stanford Junior University

Title and Company