

PATENT ASSIGNMENT

Electronic Version v1.1

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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>Andrew Fire</td> <td>01/26/2012</td> </tr> <tr> <td>Scott D. Boyd</td> <td>07/13/2012</td> </tr> <tr> <td>Jason Merker</td> <td>01/25/2012</td> </tr> <tr> <td>Kyunga Seo</td> <td>01/31/2012</td> </tr> <tr> <td>Eleanor L. Marshall</td> <td>01/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	Andrew Fire	01/26/2012	Scott D. Boyd	07/13/2012	Jason Merker	01/25/2012	Kyunga Seo	01/31/2012	Eleanor L. Marshall	01/28/2012
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RECEIVING PARTY DATA													
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												
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>13327610</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13327610								
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Application Number:	13327610												
CORRESPONDENCE DATA													
Fax Number:	(650)327-3231												
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Email:	zizzo@bozpat.com												
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>													
Correspondent Name:	Bozicevic, Field & Francis LLP												
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ATTORNEY DOCKET NUMBER:	STAN-791												
NAME OF SUBMITTER:	Pamela J. Sherwood												

CH \$40.00 13327610

Total Attachments: 8

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ASSIGNMENT OF APPLICATION

Atty Docket No. STAN-791

THIS ASSIGNMENT, by Fire, Andrew, Boyd, Scott D., Merker, Jason, Seo, Katie and Marshall, Eleanor L. (hereinafter referred to as the assignors), residing in Stanford, California, Stanford, California, Stanford, California, Stanford, California and Stanford, California respectively, witnessed:

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

"Measurement and Monitoring of Cell Clonality"

X filed on December 15, 2011 as U.S. Application Serial No. 13/327,610,
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 1/26/12 Name of Inventor AD
Fire, Andrew

Date _____ Name of Inventor _____
Boyd, Scott D.

Date _____ Name of Inventor _____
Merker, Jason

Date _____ Name of Inventor _____
Seo, Katie

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Date _____

Name of Inventor _____
Marshall, Eleanor L.

Hereby accepted on behalf of the assignee

Katharine Ku

Signature

6/8/12

Katharine Ku

Date

Name (print)

Director, Technology Licensing

Title and Company

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Date _____ Name of Inventor _____
Fire, Andrew

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Boyd, Scott D.

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Merker, Jason

Date _____ Name of Inventor _____
Seo, Katie

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Marshall, Eleanor L.

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Katharine Ku

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Boyd, Scott D.

Date 1/25/12 Name of Inventor [Signature]
Merker, Jason

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Seo, Katie

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Date _____ Name of Inventor Fire, Andrew

Date _____ Name of Inventor Boyd, Scott D.

Date _____ Name of Inventor Merker, Jason

Date 01/31/12 Name of Inventor Seo, Katie (KS, 01/31/12)

ASSIGNMENT OF APPLICATION

Atty Docket No. STAN-791

Date 1/28/2012

Name of Inventor Eleanor L. Marshall
Marshall, Eleanor L.

Hereby accepted on behalf of the assignee

Katharine Ku

Signature

6/7/12

Katharine Ku

Date

Name (print)

Director, Technology Licensing

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