

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>Olaf Schneewind</td> <td>04/02/2013</td> </tr> <tr> <td>Dominique Missiakas</td> <td>04/13/2013</td> </tr> <tr> <td>Alice Cheng</td> <td>04/09/2013</td> </tr> <tr> <td>Hwan Keun Kim</td> <td>04/01/2013</td> </tr> <tr> <td>Hye-Young Kim</td> <td>04/01/2013</td> </tr> </tbody> </table>		Name	Execution Date	Olaf Schneewind	04/02/2013	Dominique Missiakas	04/13/2013	Alice Cheng	04/09/2013	Hwan Keun Kim	04/01/2013	Hye-Young Kim	04/01/2013
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Hye-Young Kim	04/01/2013												
RECEIVING PARTY DATA													
Name:	The University of Chicago												
Street Address:	5801 South Ellis Avenue												
City:	Chicago												
State/Country:	ILLINOIS												
Postal Code:	60637												
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>13821943</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13821943								
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CORRESPONDENCE DATA													
<p>Fax Number: <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 512-474-5201 Email: mdrake-studstill@fulbright.com Correspondent Name: Gina N. Shishima Address Line 1: 98 San Jacinto Boulevard Address Line 2: Suite 1100 Address Line 4: Austin, TEXAS 78701</p>													
ATTORNEY DOCKET NUMBER:	ARCD.P0499US												
NAME OF SUBMITTER:	Gina N. Shishima												

OP \$40.00 13821943

Signature:	/Gina N. Shishima/
Date:	04/16/2013
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ASSIGNMENT

Pursuant to our obligation to The University of Chicago (hereinafter referred to as "Assignee"), an Illinois not for profit corporation having its principal place of business at 5801 South Ellis Avenue, Chicago, Illinois 60637, and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

Olaf Schneewind
5628 South Blackstone Avenue
Chicago, IL 60637

Alice Cheng
11 Grove St. Apt. #8
Boston, MA 02114

Dominique M. Missiakas
5628 South Blackstone Avenue
Chicago, IL 60637

Hwan Keun Kim
47 Townsend Ctr.
Naperville, IL 60565

Hye-Young Kim
8440 Scenic Drive Unit 40
Rancho Cucamonga, CA 91730

confirm our obligation to and hereby sell, assign and convey, unto Assignee, its successors and assigns, our entire right, title and interest -

(1) in and to an invention entitled METHODS AND COMPOSITIONS INVOLVING PROTECTIVE STAPHYLOCOCCAL ANTIGENS for which a United States Non-Provisional Application was filed on March 8, 2013, as Application Serial Number 13/821,943, and claims the benefit of priority of PCT International Application Serial Number

PCT/US11/51079, filed on September 9, 2011, and claims the benefit of priority of United States Provisional Application Serial Number 61/435,617, filed on January 24, 2011 and United States Provisional Application Serial Number 61/381,372, filed on September 9, 2010;

(2) in and to said United States patent application, in and to all other patent applications (including divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said invention, and in and to the patent or patents to be granted thereon, including reissues thereof, if any, to the full end of the term or terms for which said patent or patents may be granted; The effective date of this assignment is September 9, 2010;

(3) in and to all patent applications on said invention now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said applications to the full end of the terms for which said patents may be granted; and

(4) under the International Convention in respect to the United States patent application and agree that any patent applications of any foreign countries which may be filed shall be filed in the name of my Assignee with a claim to priority based on said United States application.

And we hereby agree that we will, upon request of Assignee, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary, or deemed by Assignee, its successors or assigns, to be necessary, to a complete fulfillment of the intent and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by Assignee, its successors and assigns, and not by us.

And the Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said United States patent or patents to Assignee.

4/2/2013
Date

4/2/13
Date

Date

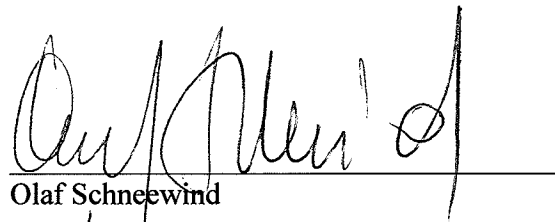
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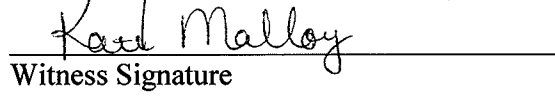
4/13/13
Date

4/13/13
Date

Date

Date


Olaf Schneewind


Witness Signature

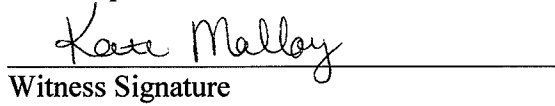
Kate Malloy
Witness Printed Name

Alice Cheng

Witness Signature

Witness Printed Name


Dominique Missiakas


Witness Signature

Kate Malloy
Witness Printed Name

Hwan Keun Kim

Witness Signature

Witness Printed Name

Date

Olaf Schneewind

Date

Witness Signature

Witness Printed Name

Date 4/9/13

Alice Cheng
Alice Cheng

Date 4/9/13

Witness Signature
Witness Signature

Lee-shun Cheng
Witness Printed Name

Date

Dominique Missiakas

Date

Witness Signature

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Date

Hwan Keun Kim

Date

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Olaf Schneewind

Date

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Witness Printed Name

Date

Alice Cheng

Date

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Witness Printed Name

Date

Dominique Missiakas

Date

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Witness Printed Name

~~_____~~ 4/11/13

Date



Hwan Keun Kim

4/11/13

Date



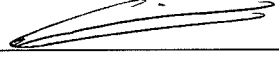
Witness Signature


Jennifer Crotty

Witness Printed Name

4/1/13
Date

4/1/13
Date


Hye-Young Kim


Witness Signature

Sarah Wallace
Witness Printed Name