PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

CONVEYING PARTY DATA

Name	Execution Date
RICHARD S. BLUMBERG	08/07/2013
VIJAY K. KUCHROO	08/13/2013
YU-HWA HUANG	08/07/2013
CHEN ZHU	08/22/2013
ANA C. ANDERSON	08/22/2013

RECEIVING PARTY DATA

Name:	THE BRIGHAM AND WOMEN'S HOSPITAL, INC.	
Street Address:	75 FRANCIS STREET	
City:	BOSTON	
State/Country:	MASSACHUSETTS	
Postal Code:	02115	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14418726

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	043214-073952-US
NAME OF SUBMITTER: MARK J. FITZGERALD	
SIGNATURE: /Mark J. FitzGerald/	
DATE SIGNED: 04/27/2015	

Total Attachments: 5

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PATENT REEL: 035498 FRAME: 0471

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PATENT REEL: 035498 FRAME: 0472 Practitioner's Docket No. 043214-073951-PCT PCT/US13/52612 BWH 21580

For:

U.S. and Foreign Rights

By:

Multiple Inventors

ASSIGNMENT OF INVENTION CONTAINED IN PCT APPLICATION (MULTIPLE INVENTORS)

WHEREAS, WE, the said inventors, do hereby acknowledge that, for good and valuable consideration, the receipt of which is hereby acknowledged,

ASSIGNORS (inventors):

Name:

Richard S. Blumberg

Name:

Vijay K. Kuchroo

Name:

Yu-Hwa Huang

Name:

Chen Zhu

Name:

Ana C. Anderson

hereby sell, assign and transfer to

ASSIGNEE:

Name:

THE BRIGHAM AND WOMEN'S HOSPITAL, INC.

Address:

75 Francis Street, Boston, MA 02115

Nationality:

United States

and the successors, assigns and legal representatives of the ASSIGNEE the entire right, title and interest and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the invention entitled MODULATION OF THE IMMUNE RESPONSE and which is found in (37 C.F.R. Section 3.21) PCT Application No. PCT/US13/52612 filed on July 30, 2013, which claims priority benefit to U.S. Provisional Application No. 61/677,596 filed July 31, 2012, and any legal equivalent thereof in any designated country, including the right to claim priority and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any re-issue or re-examination thereof;

ASSIGNORS hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNORS further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may Page 1 of 3

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be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

The undersigned hereby grant(s) the law firm of Nixon Peabody LLP of 100 Summer Street, Boston, Massachusetts 02110-2131, U.S.A. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

21BB1GTTORB	
IN TESTIMONY WHEREOF, I, Ri	chard S/Blumberg, hereunto set my signature this
day of <u>cregue</u> , 2013.	
	Richard S. Blumberg
STATE OF MACOUNTY OF Suffact SS:	
This 7 day of accept, 2013	3, before me personally came the above-named Richard S. Blumberg, to
me personally known as the many during who executed the	come of hig/han over functivity for the managed therein out forth
Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires April 15, 2016	May Teres a Curry Public
April 13, 2016	
IN TESTIMONY WHEREOF, I. Vii	ay K. Kuchroo, hereunto set my signature this day
of, 2013.	ay xa xaemoo, hereunto set my signature tiiis aay
	Vijay K. Kuchroo
STATE OF	
COUNTY OF SS:	
This day of, 2013 me personally known as the individual who executed the	, before me personally came the above-named Vijay K. Kuchroo, to same of his/her own free will for the purposes therein set forth.
	N. D. I.
	Notary Public

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ASSIGNORS

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be known and accessible to ASSIGNORS and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

The undersigned hereby grant(s) the law firm of Nixon Peabody LLP of 100 Summer Street, Boston, Massachusetts 02110-2131, U.S.A. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

	Richard S. Blumberg
STATE OFSS:	
This day of, 20 me personally known as the individual who executed t	013, before me personally came the above-named Richard S. Blumberg, to the same of his/her own free will for the purposes therein set forth.
	Notary Public
IN TESTIMONY WHEREOF, I, V	Vijay K. Kuchroo, hereunto set my signature this 13 day Vijay K. Kuchroo
STATE OF YATE OF SIA FEATT SS: This 13 ⁺ day of August 22, 20 The personally known as the individual who executed to	013, before me personally came the above-named Vijay K. Kuchroo, to the same of his/her own free will for the purposes therein set forth.
the personally known as the marviada who executed to	Notary Public

Page 2 of 3

REEL: 035498 FRAME: 0475

IN TESTIMONY WHEREOF, I, Yu-Hwa Huang August, 2013.	, hereunto set my signature this 7 day of
, 2013.	diane
Yu-Hwa H	luang
STATE OF MY COUNTY OF Seffect SS: This 7 day of County 1, 2013, before me personally killing Rys IRR BRAY QUAN NITTE executed the same of his/her own	onally came the above-named Yu-Hwa Huang , to me
Notary Public COMMONWEALTH OF MASSACHUSETTS My Commission Expires April 15, 2016 Notary Public	y Teusa Cunny
IN TESTIMONY WHEREOF, I, Chen Zhu, hereu, 2013.	into set my signature this day of
Chen Zhu	
STATE OF SS:	
This day of, 2013, before me personally known as the individual who executed the same of his/her own	nally came the above-named Chen Zhu, to me free will for the purposes therein set forth.
Notary Public	
IN TESTIMONY WHEREOF, I, Ana C. Anderson, 2013.	n, hereunto set my signature this day of
Ana C. And	erson
STATE OF SS:	
This day of, 2013, before me person personally known as the individual who executed the same of his/her own for the same of his/h	nally came the above-named Ana C. Anderson, to me ree will for the purposes therein set forth.
Notary Public	endudandan Andre 2000-200-200-200-200-200-200-200-200-20

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IN TESTII, 2		F, I, Yu-Hwa Huang, hereunto set my signature this day of
		Yu-Hwa Huang
STATE OF	SS;	
This da personally known as the	ay ofe individual who execute	, 2013, before me personally came the above-named Yu-Hwa Huang, to me d the same of his/her own free will for the purposes therein set forth.
		Notary Public
IN TESTII August , 2		F, I, Chen Zhu, hereunto set my signature this 22 day of Chen Zhu
ARY PUMP		
August, 2	MONY WHEREOF 1013.	F, I, Ana C. Anderson, hereunto set my signature this 22 day of the Control of th
STATE OF MASSA	chapetts SS:	
This A da personally known as the	ny of <u>lefter</u> to inclinicity at who executed	, 2013, before me personally came the above-named Ana C, Anderson, to me define the same of his/her own free will for the purposes therein set forth. **Topole Ulfrhee **Notary Public** Notary Public**
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RECORDED: 04/27/2015