

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5351921

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
EDWARD A. BERGER	01/30/2015
LI LIU	01/17/2015
BHAVIK PATEL	01/29/2015
STEVEN A. ROSENBERG	01/16/2015
RICHARD A. MORGAN	02/04/2015
MUSTAFA H. GHANEM	12/08/2014
BARNA DEY	01/20/2015
RECEIVING PARTY DATA	
Name:	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES
Street Address:	6011 EXECUTIVE BOULEVARD, SUITE 325, MSC 7660
Internal Address:	OFFICE OF TECHNOLOGY TRANSFER, NATIONAL INSTITUTES OF HEALTH
City:	BETHESDA
State/Country:	MARYLAND
Postal Code:	20892-7660
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15039384
CORRESPONDENCE DATA	
Fax Number:	(503)595-5301
<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>	
Phone:	5035955300
Email:	gina.horton@klarquist.com
Correspondent Name:	JODI L. CONNOLLY, KLARQUIST SPARKMAN LLP
Address Line 1:	121 SW SALMON ST., SUITE 1600
Address Line 2:	ONE WORLD TRADE CENTER
Address Line 4:	PORTLAND, OREGON 97204-2927
ATTORNEY DOCKET NUMBER:	4239-90954-06

NAME OF SUBMITTER:	JODI L. CONNOLLY
SIGNATURE:	/Jodi L. Connolly/
DATE SIGNED:	01/30/2019
Total Attachments: 20 source=90954-06_Assignment#page1.tif source=90954-06_Assignment#page2.tif source=90954-06_Assignment#page3.tif source=90954-06_Assignment#page4.tif source=90954-06_Assignment#page5.tif source=90954-06_Assignment#page6.tif source=90954-06_Assignment#page7.tif source=90954-06_Assignment#page8.tif source=90954-06_Assignment#page9.tif source=90954-06_Assignment#page10.tif source=90954-06_Assignment#page11.tif source=90954-06_Assignment#page12.tif source=90954-06_Assignment#page13.tif source=90954-06_Assignment#page14.tif source=90954-06_Assignment#page15.tif source=90954-06_Assignment#page16.tif source=90954-06_Assignment#page17.tif source=90954-06_Assignment#page18.tif source=90954-06_Assignment#page19.tif source=90954-06_Assignment#page20.tif	

**ASSIGNMENT FOR NIH/FDA/CDC INVENTIONS AIA
(NIH OR FDA OR CDC CO-INVENTORS ONLY)**

WHEREAS, I/we, Edward A. Berger, Li Liu, Bhavik Patel, Steven A. Rosenberg, Richard A. Morgan, Mustafa H. Ghanem, and Barna Dey employees of the National Institutes of Health, are each employed by a component of the United States Department of Health and Human Services having an address at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, Bethesda, MD 20892-7660, and have made certain inventions as described and claimed in:

PCT Patent Application No. PCT/US2014/067459, filed on November 25, 2014, entitled "CHIMERIC ANTIGEN RECEPTORS TO CONTROL HIV INFECTION,"

which application is referred to herein as "**The Patent Application**"; and

WHEREAS, we are the inventors named in **The Patent Application**; and

WHEREAS, the inventions described and claimed in **The Patent Application** were made under conditions such as to entitle **THE UNITED STATES OF AMERICA, as represented by the Secretary, Department of Health and Human Services** [hereinafter **THE GOVERNMENT**] under Executive Order 10096 and its amendments, 35 U.S.C. §§200-201, §§206-207, and §210 and 37 C.F.R. Part 501 to the entire right, title, and interest in such inventions; and

WHEREAS, THE GOVERNMENT is desirous of acquiring all domestic and foreign right, title, and interest in the inventions described and claimed in **The Patent Application**;

NOW, THEREFORE, having the legal obligation to assign our right, title and interest in the inventions described and claimed in **The Patent Application** to **THE GOVERNMENT**, having a place of business at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, Bethesda, MD 20892-7660 and for consideration, the receipt and sufficiency of which are hereby acknowledged, I/we hereby assign and transfer to **THE GOVERNMENT**:

the entire right, title, and interest in and to any and all inventions described and claimed in **The Patent Application** and any and all Letters Patent which may be granted thereon, and any and all continuations, divisions, reissues or extensions thereof; and

all rights to claim priority on the basis of **The Patent Application** including but not limited to applications filed through the provisions of the Patent Cooperation Treaty ("PCT Applications"); and

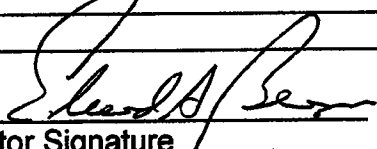
all applications for Letters Patent that may be filed for any and all inventions described and claimed in **The Patent Applications** that may be filed in any foreign country and all Letters Patent that may be granted thereon in any foreign country and all extensions, renewals, and reissues thereof; and

any and all such Letters Patent as may be granted in the United States or any foreign country to be held by **THE GOVERNMENT** to the end of the term for which the same would have

been held by the inventors had this assignment not been made.

We further agree to make, execute, and deliver to **THE GOVERNMENT**, upon request, any and all papers, documents, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for improvements or reissues of Letters Patent, and to assist **THE GOVERNMENT** in every way as may be requested in protecting said invention.

IN WITNESS WHEREOF we subscribe our hands and seals on the dates shown below:

Inventor: Edward A. Berger	
Date <u>1/30/2015</u>	 Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Li Liu	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Bhavik Patel	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Steven A. Rosenberg	
Date <u>January 16, 2015</u>	<u>Steven A. Rosenberg</u> Inventor Signature
County of <u>Montgomery</u>	
State of <u>Maryland</u>	
Subscribed and sworn to before me this <u>16</u> day of <u>January</u> , <u>2015</u> .	
Seal	Notary Signature: <u>Bang Young Russell</u> Notary Public for the State of: <u>Maryland</u> My Commission Expires: <u>March 7, 2017</u>

Inventor: Richard A. Morgan	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	Notary Signature: _____ Notary Public for the State of: _____ My Commission Expires: _____

Inventor: Mustafa H. Ghanem

Date _____

Inventor Signature _____

County of _____

State of _____

Subscribed and sworn to before me this _____ day of _____, _____.

Seal

Notary Signature: _____

Notary Public for the State of: _____

My Commission Expires: _____

Inventor: Barna Dey

Date RD 01-20-2015

Barna Dey
Inventor Signature

County of Montgomery

State of Maryland

Subscribed and sworn to before me this 20th day of January, 2015.

Seal

Notary Signature: [Signature]

Notary Public for the State of Maryland

My Commission Expires: 05/11/2017

**ASSIGNMENT FOR NIH/FDA/CDC INVENTIONS AIA
(NIH OR FDA OR CDC CO-INVENTORS ONLY)**

WHEREAS, I/we, Edward A. Berger, Li Liu, Bhavik Patel, Steven A. Rosenberg, Richard A. Morgan, Mustafa H. Ghanem, and Barna Dey employees of the National Institutes of Health, are each employed by a component of the United States Department of Health and Human Services having an address at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, MSC 7660, Bethesda, MD 20892-7660, and have made certain inventions as described and claimed in:

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which application is referred to herein as **"The Patent Application"**; and

WHEREAS, we are the inventors named in **The Patent Application**; and

WHEREAS, the inventions described and claimed in **The Patent Application** were made under conditions such as to entitle **THE UNITED STATES OF AMERICA**, as represented by the Secretary, Department of Health and Human Services [hereinafter **THE GOVERNMENT**] under Executive Order 10096 and its amendments, 35 U.S.C. §§200-201, §§206-207, and §210 and 37 C.F.R. Part 501 to the entire right, title, and interest in such inventions; and

WHEREAS, **THE GOVERNMENT** is desirous of acquiring all domestic and foreign right, title, and interest in the inventions described and claimed in **The Patent Application**;

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the entire right, title, and interest in and to any and all inventions described and claimed in **The Patent Application** and any and all Letters Patent which may be granted thereon, and any and all continuations, divisions, reissues or extensions thereof; and

all rights to claim priority on the basis of **The Patent Application** including but not limited to applications filed through the provisions of the Patent Cooperation Treaty ("PCT Applications"); and

all applications for Letters Patent that may be filed for any and all inventions described and claimed in **The Patent Applications** that may be filed in any foreign country and all Letters Patent that may be granted thereon in any foreign country and all extensions, renewals, and reissues thereof; and

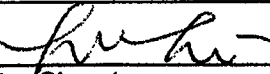
any and all such Letters Patent as may be granted in the United States or any foreign country to be held by **THE GOVERNMENT** to the end of the term for which the same would have

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IN WITNESS WHEREOF we subscribe our hands and seals on the dates shown below:

Inventor: Edward A. Berger	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Li Liu	
Date <u>January 17, 2015</u>	<u></u> Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Bhavik Patel	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

ASSIGNMENT - Page 3 of 5

Inventor: Steven A. Rosenberg	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Richard A. Morgan	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Mustafa H. Ghanem	
Date <u>12/8/14</u>	Inventor Signature <u>[Signature]</u>
County of <u>NASSAU</u>	
State of <u>NEW YORK</u>	
Subscribed and sworn to before me this <u>8th</u> day of <u>December</u> , <u>2014</u> .	
Seal	
<p>KORINNE NOLAN Notary Public, State of New York No. 01N06167012 Qualified in Nassau County Commission Expires May 29, 20<u>15</u></p>	<p>Notary Signature: <u>Korinne Nolan (Seal)</u> Notary Public for the State of: <u>NEW YORK</u> My Commission Expires: <u>May 29, 2015</u></p>

Inventor: Barna Dey	
Date _____	Inventor Signature _____
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	<p>Notary Signature: _____ Notary Public for the State of: _____ My Commission Expires: _____</p>

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Inventor: Edward A. Berger	
Date _____	Inventor Signature _____
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Li Liu	
Date _____	Inventor Signature _____
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Bhavik Patel	
Date 01-29-2015	 Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Steven A. Rosenberg	
Date _____	Inventor Signature _____
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Richard A. Morgan	
Date _____	Inventor Signature _____
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Mustafa H. Ghanem	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
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	Notary Public for the State of: _____
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Inventor: Barna Dey	
Date _____	_____ Inventor Signature
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State of _____	
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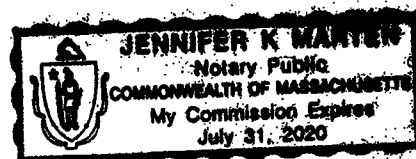
Inventor: Edward A. Berger	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Li Liu	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Bhavik Patel	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Steven A. Rosenberg	
Date _____	Inventor Signature _____
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Richard A. Morgan	
Date <u>2-4-15</u>	<u>Richard Morgan</u> Inventor Signature
County of <u>SUFFOLK</u>	
State of <u>MASSACHUSETTS</u>	
Subscribed and sworn to before me this <u>4TH</u> day of <u>FEBRUARY</u> <u>2015</u> .	
Seal	Notary Signature: <u>Jennifer K. Marten</u>
	Notary Public for the State of: <u>MASSACHUSETTS</u>
	My Commission Expires: <u>JULY 31, 2020</u>



Inventor: Mustafa H. Ghanem	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
	Notary Signature: _____
	Notary Public for the State of: _____
	My Commission Expires: _____

Inventor: Barna Dey	
Date _____	_____ Inventor Signature
County of _____	
State of _____	
Subscribed and sworn to before me this _____ day of _____, _____.	
Seal	
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