PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MASARU KANEKIYO	02/04/2015
GARY J. NABEL	02/05/2015
JEFFREY COHEN	02/05/2015
WEI BU	02/05/2015

RECEIVING PARTY DATA

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State/Country:	MARYLAND
Postal Code:	20892-7660

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15028655

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	6137NIAID-34-PUS
NAME OF SUBMITTER:	RICHARD J. STERN, PHD
SIGNATURE:	/Richard J. Stern/
DATE SIGNED:	07/28/2016

Total Attachments: 4

PATENT REEL: 039280 FRAME: 0989 source=Assignment_NIH_executed_all_inventors_from_PCT_case#page1.tif
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PATENT REEL: 039280 FRAME: 0990

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

WHEREAS, I/we, Masaru Kanekiyo, Gary J. Nabel, Jeffrey Cohen and Wei Bu, an employee/employees of the National Institutes of Health, 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, [hereinafter The Inventors], have made certain inventions as described and claimed in International PCT Patent Application No. PCT/US14/60142, filed October 10, 2014, and which is entitled "NOVEL EPSTEIN-BARR VIRUS VACCINES" ("Int'l Application") and;

WHEREAS, I/we are the applicant(s) named in the above-identified Int'l Application; and

WHEREAS, the inventions described and claimed therein 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 USC §§200-201, §§206-207, and §210 and 37 CFR 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 Int'l Application; and

NOW, THEREFORE, having the legal obligation to assign my/our right, title and interest in the inventions described and claimed in the above-identified 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 said Int'l 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 said Int'l 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 said Int'l Application that may be filed in any foreign country and all Letters Patents that may be granted thereon in any foreign country and all extensions, renewals, and reissues thereof; and

any and all such Letters Patents 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.

I/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.

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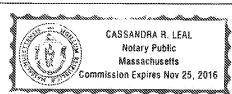
IN WITNESS WHEREOF we subscribe our hands and seals on the dates shown below:

inventor 1:	
ュ/4/១៦≀S <u>JI (ここし</u> こう Date Masaru Kanekiyd, Ph.D.	
County of Mourigeway	
State of <u>Mary land</u> Subscribed and sworn to before me this day of 100000000000000000000000000000000000	
MONIQUE C. YOUNG Notary Public Prince George's County Maryland My Commission Expires Oct. 7, 2016 My Commission Expires My Commission Expires:	
Inventor 2:	
Date Gary J. Nabel, M.D., Ph.D.	
County of	
State of	
Subscribed and sworn to before me this day of, 2014.	
[Seal]	
Notary Public for	
My Commission Expires:	

Page 2 of 3

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

inventor 1:	·	***************************************
Date Mas	saru Kanekiyo, Ph.D.	
County of		
State of		
Subscribed and sworn to before me this	day of	2014.
[Seal]		
	Notary Public for	
	My Commission Expires:	
Inventor 2:		
$\frac{2/5/15}{\text{Date}} \qquad \frac{3/5}{\text{Gark}}$	J. Nabel, M.D., Ph.D.	
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	Page 2 of 3	ASSANDRA R. LEAL Notary Public
	Commiss	Massachusetts ion Expires Nov 25, 2016



了Feb 20(5 Date	Jeffrey Cohen, M.D.
county of Mantgomens State of Maryland	
State of <u>Maryland</u>	
Subscribed and sworn to befo	re me this <u>5</u> day of <u>FG010171</u> , 2014.
(Seal)	Drio A. Kinggrung
	Notary Public for <u>Montgonery (Sunta)</u> My Commission Expires: <u>9-79-201</u> 7
Inventor 4:	
);; YG;; (Y.	
5 Feb 2015	B2
Date	CWei Bu, Ph.D.
County of Managamens	
State of	
Subscribed and sworn to before	re me this 5 day of February 2014
[Seal]	Dru A. Emphry
	Notary Public for Montagnery County
	My Commission Expires: <u>9-/4-20/</u> 7

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PATENT REEL: 039280 FRAME: 0994

Inventor 3: