

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT7942215

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
JOHN R. MASCOLA	06/23/2015
JEFFREY C. BOYINGTON	06/23/2015
HADI M. YASSINE	06/25/2015
PETER D. KWONG	06/23/2015
BARNEY S. GRAHAM	06/25/2015
MASARU KANEKIYO	06/24/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES
<b>Street Address:</b>	OFFICE OF TECHNOLOGY TRANSFER, NATIONAL INSTITUTES OF HEALTH
<b>Internal Address:</b>	6701 ROCKLEDGE DRIVE, SUITE 700, MSC 7788
<b>City:</b>	BETHESDA
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20892-7788
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	18314052
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(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>	
<b>Phone:</b>	5035955300
<b>Email:</b>	jacqueline.labergetyson@klarquist.com
<b>Correspondent Name:</b>	GREGORY K. SCOTT, KLARQUIST SPARKMAN, LLP
<b>Address Line 1:</b>	121 SW SALMON STREET, SUITE 1600
<b>Address Line 2:</b>	ONE WORLD TRADE CENTER
<b>Address Line 4:</b>	PORTLAND, OREGON 97204
<b>ATTORNEY DOCKET NUMBER:</b>	4239-104867-29
<b>NAME OF SUBMITTER:</b>	GREGORY SCOTT

<b>SIGNATURE:</b>	/Gregory K. Scott/
<b>DATE SIGNED:</b>	05/08/2023
<b>Total Attachments: 4</b> source=4239-104867-29_Assignment#page1.tif source=4239-104867-29_Assignment#page2.tif source=4239-104867-29_Assignment#page3.tif source=4239-104867-29_Assignment#page4.tif	

**ASSIGNMENT FOR NIH/FDA/CDC INVENTIONS AIA**

**WHEREAS**, I/we, John R. Mascola, Jeffrey C. Boyington, Hadi M. Yassine, Peter D. Kwong, Barney S. Graham and Masaru Kanekiyo, an employee/employees of the National Institutes of Health, each 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 International PCT Patent Application No. PCT/US15/32695, filed 5/27/2015, and which is entitled "Stabilized Influenza Hemagglutinin Stem Region Trimers and Uses Thereof."

all of which are collectively referred to as "**The Patent Application(s)**"

**WHEREAS**, I/we are the inventor(s) named in **The Patent Application(s)**; and

**WHEREAS**, the inventions described and claimed in **The Patent Application(s)** 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 §§200-202, §§206-207, and §210 and 37 CFR Part 501 and 37 CFR Part 401 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(s)**; and

**NOW, THEREFORE**, having the legal obligation to assign my/our right, title and interest in the inventions described and claimed in **The Patent Application(s)** 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 Applications** and any and all Letters Patent(s) 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(s)** including but not limited to applications filed through the provisions of the Patent Cooperation Treaty ("PCT Applications"); and

all applications for Letters Patent(s) that may be filed for any and all inventions described and claimed in **The Patent Application(s)** 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.

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

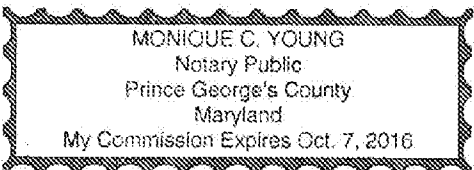
**Inventor 1:**

23 June 2015      [Signature]  
Date      John R. Mascola, MD

County of Montgomery

State of Maryland

Subscribed and sworn to before me this 23rd day of June, 2015.

[Seal]  [Signature]  
Notary Public for [Signature]  
My Commission Expires: Oct. 7, 2016

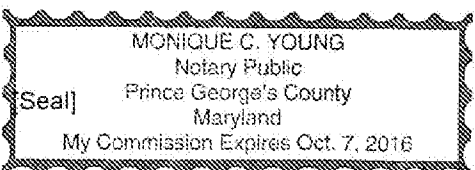
**Inventor 2:**

23 June 2015      [Signature]  
Date      Jeffrey C. Boyington, PhD

County of Montgomery

State of Maryland

Subscribed and sworn to before me this 23rd day of June, 2015.

[Seal]  [Signature]  
Notary Public for [Signature]  
My Commission Expires: Oct. 7, 2016

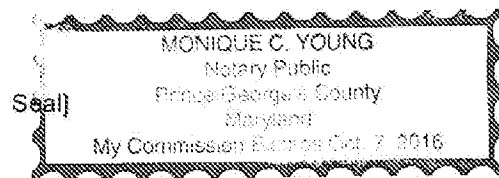
Inventor 3:

Jun 25, 2015 Hadi M. Yassine  
Date Hadi M. Yassine, PhD

County of Montgomery

State of MD

Subscribed and sworn to before me this 25th day of June, 2015.



Monique C. Young  
Notary Public for [Signature]  
My Commission Expires: Oct 7, 2016

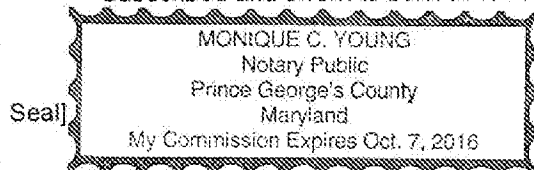
Inventor 4:

23 June 2015 Peter D. Kwong  
Date Peter D. Kwong, PhD

County of Montgomery

State of Maryland

Subscribed and sworn to before me this 23rd day of June, 2015.



Monique C. Young  
Notary Public for [Signature]  
My Commission Expires: Oct 7, 2016

**Inventor 5:**

25 June 2015

Date

Barney S. Graham  
Barney S. Graham, MD, PhD

County of

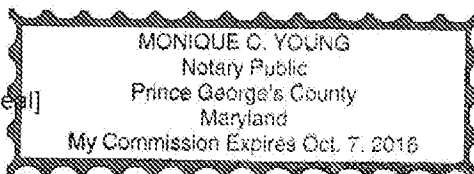
Montgomery

State of

Maryland

Subscribed and sworn to before me this 25<sup>th</sup> day of June, 2015.

Seal]



Monique C. Young  
Notary Public for Maryland  
My Commission Expires: Oct. 7, 2016

**Inventor 6:**

6/29/2015

Date

Masaru Kanekiyo  
Masaru Kanekiyo, PhD

County of

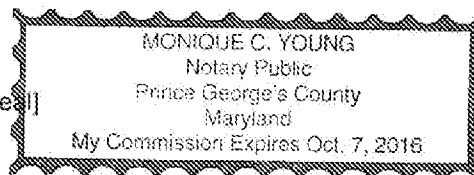
Montgomery

State of

Maryland

Subscribed and sworn to before me this 29<sup>th</sup> day of June, 2015.

Seal]



Monique C. Young  
Notary Public for Maryland  
My Commission Expires: Oct. 7, 2016