

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5600256

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GENOVEFFA FRANCHINI	01/15/2015
MONICA VACCARI	01/15/2015
LUCA SCHIFANELLA	01/15/2015
SHARI GORDON	01/23/2015
MELVIN DOSTER	01/15/2015
NAMAL MALIMBADA LIYANAGE	01/15/2015
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:	15110400
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:	503-595-5300
Email:	deborah.martin@klarquist.com
Correspondent Name:	SUSAN ALPERT SIEGEL, PH.D, KLARQUIST SPARKMAN LLP
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Address Line 4:	PORTLAND, OREGON 97204-2988
ATTORNEY DOCKET NUMBER:	4239-92369-03
NAME OF SUBMITTER:	SUSAN ALPERT SIEGEL, PH.D.
SIGNATURE:	/Susan Alpert Siegel/

DATE SIGNED:	07/01/2019
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Total Attachments: 10

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

WHEREAS, we, Genoveffa Franchini, Monica Vaccari, Luca Schifanella, Shari Gordon, Melvin Doster, and Namal Malimbada Liyanage, 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 with others certain inventions as described and claimed in:

U.S. Provisional Patent Application No. 61/925,154, filed on January 8, 2014, entitled "RAS PATHWAYS AS MARKERS OF PROTECTION AGAINST HIV AND MEANS TO IMPROVE VACCINE EFFICACY," and

PCT Patent Application No. PCT/US2015/010664, filed on January 8, 2015, entitled "RAS PATHWAYS AS MARKERS OF PROTECTION AGAINST HIV AND METHODS TO IMPROVE VACCINE EFFICACY,"

both of which applications are collectively referred to herein as "**The Patent Application(s)**"; and

WHEREAS, we are the inventors 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 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(s)**;

NOW, THEREFORE, having the legal obligation to assign 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, 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(s)** 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(s)** including but not limited to applications filed through the provisions of the Patent Cooperation Treaty ("PCT Applications"); and

WDN/SAS:cif 4239-92369-02 E-062-2014/O-PCT-02 01/14/15

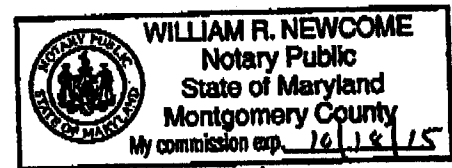
all applications for Letters Patent that may be filed for any and all inventions described and claimed in **The Patent Application(s)** that may be filed in any foreign country and all Letters Patent that may be granted thereon in any foreign country and all extensions, renewals, and reissues thereof; 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 inventor(s) 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: <u>Genoveffa Franchini</u>	
Date <u>Jan 15, 2015</u>	x <u><i>Genoveffa Franchini</i></u> Inventor Signature
County of <u>Montgomery</u>	
State of <u>Maryland</u>	
Subscribed and sworn to before me this <u>15</u> day of <u>January</u> , <u>2015</u> .	
Seal	Notary Signature: <u><i>WR Newcome</i></u>
	Notary Public for the State of: <u>Maryland</u>
	My Commission Expires: <u>10/18/15</u>



WR Newcome

WDN/SAS:clif 4239-92369-02 E-062-2014/0-PCT-02 01/14/15

Inventor: Monica Vaccari

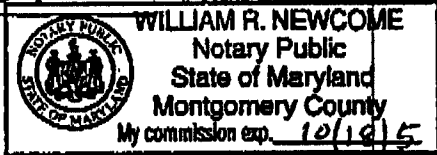
Date 01/15/15 x Monica Vaccari
 Inventor Signature

County of Montgomery
 State of Maryland

Subscribed and sworn to before me this 15 day of January, 2015.

Seal

Notary Signature: WR Newcome
 Notary Public for the State of: Maryland
 My Commission Expires: 10/18/15



Inventor: Luca Schifanella

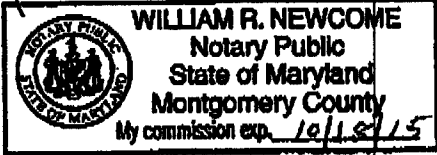
Date 01.15.15 x Luca Schifanella
 Inventor Signature

County of Montgomery
 State of Maryland

Subscribed and sworn to before me this 15 day of January, 2015.

Seal

Notary Signature: WR Newcome
 Notary Public for the State of: Maryland
 My Commission Expires: 10/18/15



WDN/SAS:df 4239-82369-02 E-062-2014/0-PCT-02 01/14/15

Inventor: Shari Gordon

Date 1/23/2015 x S. Gordon
Inventor Signature..

County of Durham

State of NC

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

Seal

SHERINA BEST
Notary Public
Wake Co., North Carolina
My Commission Expires Sept. 10, 2019

Notary Signature: Sherina Best

Notary Public for the State of: NC

My Commission Expires: Sept. 10, 2019

Inventor: Melvin Doster

Date _____ X _____
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: _____

WDN/SAS:clf 4239-92369-02 E-062-2014/0-PCT-02 01/14/15


Inventor: Namal Malimbada Liyanage

Date 01/15/2015 X *[Signature]*
 Inventor Signature

County of Montgomery
 State of Maryland

Subscribed and sworn to before me this 15 day of January, 2015.

Seal



WILLIAM R. NEWCOME
 Notary Public
 State of Maryland
 Montgomery County
 My commission exp. 10/18/15

Notary Signature: *[Signature]*
 Notary Public for the State of: Maryland
 My Commission Expires: 10/18/15

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

WHEREAS, we, Genoveffa Franchini, Monica Vaccari, Luca Schifanella, Shari Gordon, Melvin Doster, and Namal Malimbada Liyanage, 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 with others certain inventions as described and claimed in:

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WHEREAS, we are the inventors 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 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

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the entire right, title, and interest in and to any and all inventions described and claimed in **The Patent Application(s)** 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(s)** 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 Application(s)** 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 inventor(s) 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: Genoveffa Franchini	
Date _____	X _____ 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: Monica Vaccari	
Date _____	X _____ 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: Luca Schifanella	
Date _____	X _____ 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: _____

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Inventor: Shari Gordon

Date _____ X _____
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: Melvin Doster

Date 1/15/2015 X [Signature]
Inventor Signature

County of Montgomery

State of Maryland

Subscribed and sworn to before me this 15 day of January, 2015.

Seal

Notary Signature: [Signature]

Notary Public for the State of: Maryland

My Commission Expires: 10/18/15

WILLIAM R. NEWCOME
Notary Public
State of Maryland
Montgomery County
My commission exp. 10/18/15



Inventor: **Namal Malimbada Liyanage**

Date _____

X _____
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: _____