

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
PAOLO LUSSO	04/10/2017
PENG ZHANG	04/10/2017
RECEIVING PARTY DATA	
Name:	THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES
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Internal Address:	SUITE 325, MSC 7660
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State/Country:	MARYLAND
Postal Code:	20892-7660
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16083359
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NAME OF SUBMITTER:	GREGORY K. SCOTT, PH.D., J.D.
SIGNATURE:	/Gregory K. Scott/
DATE SIGNED:	09/07/2018
Total Attachments: 3	
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**ASSIGNMENT FOR NIH/FDA/CDC INVENTIONS AIA
(NIH OR FDA OR CDC AND LEIDOS BIOMEDICAL CO-INVENTORS ONLY)**

WHEREAS, we, Paolo Lusso and Peng Zhang, employees and/or contractors of the National Institutes of Health, are each employed and/or contracted 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:

U.S. Provisional Patent Application No. 62/306,006, filed on March 9, 2016, entitled "RECOMBINANT HIV-1 ENVELOPE PROTEINS AND THEIR USE," and

PCT Patent Application No. PCT/US2017/021573, filed on March 9, 2017, entitled "RECOMBINANT HIV-1 ENVELOPE PROTEINS AND THEIR USE,"

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

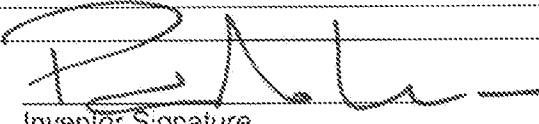
all rights to claim priority on the basis of **The Patent Application(s)** including but not limited to applications filed through the provisions of the Patent Cooperation Treaty ("PCT Applications"); and

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: Paolo Lusso	
Date <u>4/10/17</u>	 Inventor Signature
County of <u>Montgomery</u>	
State of <u>Maryland</u>	
Subscribed and sworn to before me this <u>10th</u> day of <u>April</u> , <u>2017</u>	
Seal	Notary Signature: 
	Notary Public for the State of <u>Maryland</u>
	My Commission Expires: <u>05/11/2020</u>

AMY E. MEYER MCALLISTER
NOTARY PUBLIC STATE OF MARYLAND
My Commission Expires May 11, 2020

Inventor: Peng Zhang

Date Apr 10-2017 [Signature]
 Inventor Signature

County of Montgomery
 State of Maryland

Subscribed and sworn to before me this Tenth day of April, 2017.

Seal

Notary Signature: [Signature]
 Notary Public for the State of Maryland
 My Commission Expires: 05/11/2020

AMY E. MEYER McALLISTER
 NOTARY PUBLIC STATE OF MARYLAND
 My Commission Expires May 11, 2020

