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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY	DATA				
		Name	Execution Date		
PETER L. COLLINS			01/15/2016		
URSULA J. BUCHHOL	01/15/2016				
Street Address: Internal Address:	AND HUMAN SERVICES OFFICE OF TECH TRANSFER, NIH 6011 EXECUTIVE BLVD _ SUITE 325_MSC 7660				
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State/Country:	00000	7000			
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Postal Code:	S Total: 1	7660 Number			

CORRESPONDENCE DATA

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Correspondent Name:SHERIDAN ROSS P.C.Address Line 1:1560 BROADWAYAddress Line 2:SUITE 1200						
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NAME OF SUBMITTER: RITA P. SANZGIRI						
SIGNATURE: /Rita P. Sanzgiri/						
DATE SIGNED: 09/24/2018						
Total Attachments: 3 source=Executed_Assignment#page1.tif						

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PATENT REEL: 046951 FRAME: 0787

ASSIGNMENT 6137NIAID-57-PROV, 6137NIAID-57-PROV2; 6137NIAID-57-PROV3 E-067-2016/0-US-01; E-067-2016/1-US-01; E-067-2016/2-US-01

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

WHEREAS, I/we, Peter L. Collins and Ursula J. Buchholz, 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 the attached Appendix A ("U.S. Applications") and;

WHEREAS, I/we are the applicant(s) named in the above-identified U.S. Applications; 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 U.S. Applications; 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 U.S. 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 U.S. Applications 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 U.S. Applications 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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ASSIGNMENT 6137NIAID-57-PROV, 6137NIAID-57-PROV2; 6137NIAID-57-PROV3 E-067-2016/0-US-01; E-067-2016/1-US-01; E-067-2016/2-US-01

Inventor 1: 2016 11 15 Date Peter L. Collins, Ph.D. Spong MD 20910 Address: 2921 Silver County of ______ State of Mary Jand Subscribed and sworn to before me this 15 day of January 2016. MONICA VALENCIA [Seal] NOTARY PUBLIC STATE OF MARYLAND Notary Public for My Commission Expires February 11, 2019 My Commission Expires: 02/11/2019 Inventor 2: 5/2016 olz, Ph.D. Ursula J. Bu Address: 10108 Day Ave Jilver Spring, MD 20910 County of State of Marylanc Subscribed and sworn to before me this AGday of Januaru 2016. [Seal] MONICA VALENCIA Notary Public for NOTARY PUBLIC STATE OF MARYLAND My Commission Expires February 11, 2019 My Commission Expires: 02/11/2019

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

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ASSIGNMENT 6137NIAID-57-PROV, 6137NIAID-57-PROV2; 6137NIAID-57-PROV3 E-067-2016/0-US-01; E-067-2016/1-US-01; E-067-2016/2-US-01

Appendix A

Serial No.	Filing Date	Title	Attorney Ref. No.
62/251,030	11/04/2015	Novel Method of Vaccination With An Attenuated RSV Vaccine Formulation	6137NIAID-57-PROV
62/259,472	11/24/2015	Novel Method of Vaccination With An Attenuated RSV Vaccine Formulation	6137NIAID-57-PROV2
62/263,405	12/04/2015	Novel Method of Vaccination With An Attenuated RSV Vaccine Formulation	6137NIAID-57-PROV3

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RECORDED: 09/24/2018