504999442 07/11/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

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Name	Execution Date
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Property Type	Number
Application Number:	16030506

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DATE SIGNED:	07/11/2018	

Total Attachments: 2

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PATENT 504999442 REEL: 046323 FRAME: 0976

UMB Docket No: SS-2012-126

ASSIGNMENT

In consideration of UMB's agreement to consider Assignors as "UMB Inventors" who are entitled to revenue distributions under the University System of Maryland Policy on Intellectual Property, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Stefanie N. Vogel and Katharina Richard ("Assignors") hereby sells, assigns, and transfers to the University of Maryland, Baltimore, a constituent institution of the University System of Maryland (which is a public corporation and an instrumentality of the State of Maryland) ("UMB"), and having an office at Office of Research and Development, 620 W. Lexington Street, 4th floor, Baltimore, MD 21201, their entire right, title, and interest in and to the invention known as "Compositions and Vaccines Comprising Vesicles and Methods of Using the Same" (the "Invention"):

[X] for the United States of America (as defined in 35 U.S.C. §100) check applicable space(s) [X] and throughout the world,

for which application(s) for patent were made in the United States of America on June 3, 2014 (also known as U.S. nonprovisional patent application serial number 14/295,306), claiming benefit of US provisional patent application number 61/830,435, filed June 3, 2013, US provisional patent application number 61/834,311, filed June 12, 2013, US provisional patent application number 61/916,564, filed December 16, 2013 and US provisional patent application number 61/972,992, filed March 31, 2014, and in any and all non-provisional and/or international or foreign patent applications thereon, continuing patent applications thereon (including without limitation substitutions, divisionals, continuations, and continuations-in-part), patents or Letters Patent issued therefrom, and reissues, extensions, renewals, and reexaminations of such applications or patents.

Such entire right, title, and interest in the Invention are to be held and enjoyed by UMB to the same extent as they would have been held and enjoyed by Assignors had this Assignment not been made, to the full end of the term or terms for which any such patent(s) issue. Assignors hereby represent and warrant that they have full right to convey their right, title, and interest in the Invention herein assigned, and that they have not executed and will not execute any agreement or other document in conflict therewith.

Assignors agree to execute and deliver separate Assignments, patent applications, and other documents necessary or expedient in connection with, and to cooperate with and to assist UMB in connection with: further perfecting the assignment of the Invention to UMB; UMB's preparation, filing, prosecution (including without limitation defense in interference proceedings, reexaminations, or litigation), enforcement, and/or maintenance of the patents and patent applications; or for UMB to protect and commercialize its intellectual property right, title, and interests in the Invention (including without limitation copyright and/or trademarks).

IN WITNESS WHEREOF, executed by Assign	ors on the date opposite his/her name.
	ASSIGNOR:
June 23, 2014	Pafarui N. Voyd (SEAL) Stefanie N. Vogel
	Address:10061 Cape Anne DriveColumbia, MD 21046
STATE OF MAY MAN)
7 J/3 . 1 . N),
I HEREBY CERTIFY, that on this	day of
IN WITNESS WHEREOF, I have hereunto	set my hand and official seal the day and year last above-mentioned.
[SEAL]	Notary Public Notary Public
My Commission Expires: 8/3///	Gail Knott
	Notary Public
	State of Maryland, Baltimore County
SV-2012-126 (US) Assignment of Rights doc	My Commission Expires: 8/21/2014

SV-2012-126 (US) Assignment of Rights.doc

PATENT REEL: 036923 FRAME: 0977

UMB Docket No: SS-2012-126	
6/23/14 Date	ASSIGNOR: (SEAL) Katharina Richard
STATE OF	Address: 415 Wheaton Place, Apt. I Catonsville, MD 21228
	y of, 20 //_, before me, Notary Public of the ared Katharina Richard , known to me (or satisfactorily proven) to astrument, and acknowledged that, being authorized to do so, he or rein.
IN WITNESS WHEREOF, I have hereunto set [SEAL]	my hand and official seal the day and year last above-mentioned.
My Commission Expires: \[\frac{\frac{1}{3}}{3}\]	otary Public 7
	Past March

Gail Knott Notary Public State of Maryland, Baltimore County My Commission Expires: 8/21/2014