

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5166679

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YVONNE PATERSON	08/16/2018
THORSTEN VERCH	05/23/2018
RECEIVING PARTY DATA	
Name:	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
Street Address:	3160 CHESTNUT STREET
Internal Address:	SUITE 200
City:	PHILADELPHIA
State/Country:	PENNSYLVANIA
Postal Code:	19104-6283
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15621411
CORRESPONDENCE DATA	
Fax Number:	(646)878-0801
<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>	
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Correspondent Name:	PEARL COHEN ZEDEK LATZER BARATZ LLP
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Address Line 2:	12TH FLOOR
Address Line 4:	NEW YORK, NEW YORK 10036
ATTORNEY DOCKET NUMBER:	P-7924-US5
NAME OF SUBMITTER:	MARK S. COHEN
SIGNATURE:	/Mark S. Cohen Reg. No. 42,425/
DATE SIGNED:	10/01/2018
Total Attachments: 4	
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ASSIGNMENT

In consideration of One Dollar (\$1.00), and other good and valuable consideration, the Receipt of which is hereby acknowledged, I the undersigned, Yvonne PATERSON residing at 1425 Locust St., Unit 11C, Philadelphia, PA 19102, and Thorsten VERCH residing at 1000 Regency Circle, Blue Bell, PA 19422 (hereinafter, the "Assignor"),

Hereby sell, assign and transfer to THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA, located at 3160 Chestnut Street- Suite 200, Philadelphia, PA 19104-6283, its successors, assigns and legal representatives (hereinafter, the "Assignee"), the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and as possessed by the undersigned, any and all inventions which are disclosed but not claimed in the application for United States Patent U.S. Serial No. 15/621,411 filed June 13, 2017 and is entitled

METHODS FOR CONSTRUCTING ANTIBIOTIC RESISTANCE FREE VACCINES

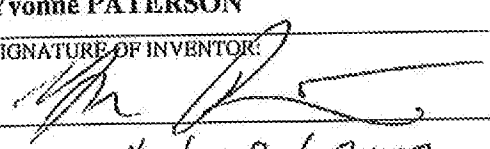
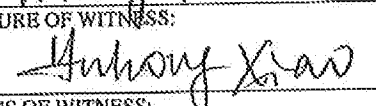
and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions; and including the Assignor's right in and to all revenue, income, royalties, damages and payments now or hereafter due or payable with respect to any Letters Patent which may be granted, and in and to all causes of action (either in law or in equity), and the right to sue, counterclaim, and recover for past, present and future infringement of the rights assigned or to be assigned under this Assignment;

Authorize and request the Commissioner of Patents of the United States to issue to said Assignee, the corporation above named, its successors, assigns and legal representatives, in accordance with this assignment, any and all United States Letters Patent on said inventions or any of them disclosed in said application;

Agree that said Assignee may apply for and receive foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said foreign Letters Patent or other rights, the priority of the aforesaid United States patent application under the provisions of the International Convention of 1883 and later modifications thereof, under the Patent Cooperation Treaty,

under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the under-signed or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

COVENANT with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

FULL NAME OF INVENTOR: Yvonne PATERSON	FULL NAME OF WITNESS: <i>Yahong Xiao</i>
SIGNATURE OF INVENTOR: 	SIGNATURE OF WITNESS: 
DATE: <u>16 / 08 / 2017</u> (day / month / year)	ADDRESS OF WITNESS: <i>56 Chippenham Dr. Voorhees, NJ 08043</i>

FULL NAME OF INVENTOR: Thorsten VERCH	FULL NAME OF WITNESS:
SIGNATURE OF INVENTOR:	SIGNATURE OF WITNESS:
DATE: _____ (day / month / year)	ADDRESS OF WITNESS:

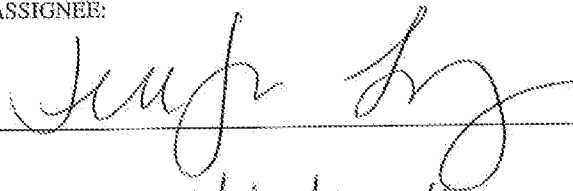

under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the under-signed or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing, maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

COVENANT with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

FULL NAME OF INVENTOR: Yvonne PATERSON	FULL NAME OF WITNESS:
SIGNATURE OF INVENTOR:	SIGNATURE OF WITNESS:
DATE: _____ (day / month / year)	ADDRESS OF WITNESS:

FULL NAME OF INVENTOR: Thorsten VERCH	FULL NAME OF WITNESS: <i>Ane Maria Rodriguez-Rojas</i>
SIGNATURE OF INVENTOR: <i>Thorsten Verch</i>	SIGNATURE OF WITNESS: <i>Ane Maria Rodriguez-Rojas</i>
DATE: <u>23 May 2018</u> (day / month / year)	ADDRESS OF WITNESS: <i>1000 Regency Circle, Blue Bell, PA 19422</i>

Docket No.: P-7924-US5

FULL NAME OF ASSIGNEE: THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA	FULL NAME OF WITNESS: LOUISE E. BATTLE
SIGNATURE OF AUTHORIZED REPRESENTATIVE OF ASSIGNEE: 	SIGNATURE OF WITNESS: 
DATE: <u>27/6/2018</u> (day / month / year)	ADDRESS OF WITNESS: 3160 Chestnut St., Suite 200 Phila, PA 19104