

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JONATHAN KURTIS	07/22/2014
CHRISTIAN PARCHER NIXON	07/22/2014
DIPAK KUMAR RAJ	07/22/2014
JENNIFER FRANCES FRIEDMAN	07/22/2014
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Name:	RHODE ISLAND HOSPITAL
Street Address:	593 EDDY STREET
City:	PROVIDENCE
State/Country:	RHODE ISLAND
Postal Code:	02903
PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	61566365
Application Number:	61641445
PCT Number:	US2012067404
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DATE SIGNED:	06/04/2018
Total Attachments: 3	

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PATENT

REEL: 045975 FRAME: 0046

ASSIGNMENT

We, **Jonathan Kurtis, Christian Parcher Nixon, Dipak Kumar Raj, and, Jennifer Frances Friedman**, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, confirm that we have sold and assigned, and do hereby assign, sell and transfer to **Rhode Island Hospital**, with offices at **593 Eddy Street, Providence, Rhode Island, 02903**, and to its successors, assigns and legal representatives, collectively hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for Letters Patent entitled:

VACCINE FOR FALCIPARUM MALARIA

filed with the U.S. Patent and Trademark Office as receiving office on **November 30, 2012** and assigned International Application Serial No. **PCT/US2012/067404**, including any subsequently filed utility applications, which claim priority to U.S. Application Nos. 61/566,365, filed December 2, 2011 and 61/641,445 filed May 2, 2012 and including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names as the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: 22 July 2014

Signature of: Jonathan Kurtis

State of Rhode Island
County of Providence

On this 22nd day of July, 2014, before me, the undersigned notary public, personally appeared **Jonathan Kurtis** and proved to me through satisfactory evidence of identification, which was a license, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

Alanna M. Quatt
Notary Public

My commission expires 9/24/2015 # 61071

Date: 22 July 2014

Signature of: Christian Parcher Nixon

State of Rhode Island
County of Providence

On this 22nd day of July, 2014, before me, the undersigned notary public, personally appeared **Christian Parcher Nixon** and proved to me through satisfactory evidence of identification, which was a license, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

Alanna M. Quatt
Notary Public

My commission expires 9/24/2015 # 61071

Date: 07/22/2014

Dipak Kumar Raj
Signature of: **Dipak Kumar Raj**

State of Rhode Island

County of Providence

On this 22nd day of July, 2014, before me, the undersigned notary public, personally appeared **Dipak Kumar Raj** and proved to me through satisfactory evidence of identification, which was a license, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

Alma M. Watts
Notary Public
My commission expires 9/24/2015 #61071

Date: 7/22/14

Jennifer Frances Friedman
Signature of: **Jennifer Frances Friedman**

State of Rhode Island

County of Providence

On this 22nd day of July, 2014, before me, the undersigned notary public, personally appeared **Jennifer Frances Friedman** and proved to me through satisfactory evidence of identification, which was a license, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.

Alma M. Watts
Notary Public
My commission expires 9/24/2015 #61071

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