

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5664686

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| ROBERT SEDER | 03/06/2018 |
| NEVILLE KISALU | 03/06/2018 |
| AZZA IDRIS | 03/06/2018 |
| BARBARA FLYNN | 03/06/2018 |
| RECEIVING PARTY DATA | |
| Name: | THE UNITED STATES OF AMERICA, AS REPRESENTED BY THE SECRETARY, DEPARTMENT OF HEALTH AND HUMAN SERVICES |
| Street Address: | 6011 EXECUTIVE BOULEVARD |
| Internal Address: | SUITE 325, MSC 7660 |
| City: | BETHESDA |
| State/Country: | MARYLAND |
| Postal Code: | 20892-7660 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 16485354 |
| CORRESPONDENCE DATA | |
| Fax Number: | (503)595-5301 |
| <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> | |
| Phone: | 5035955300 |
| Email: | BRITTANY.HOUTZ@KLARQUIST.COM |
| Correspondent Name: | KLARQUIST SPARKMAN LLP |
| Address Line 1: | 121 SW SALMON ST |
| Address Line 2: | SUITE 1600 |
| Address Line 4: | PORTLAND, OREGON 97204 |
| ATTORNEY DOCKET NUMBER: | 4239-98294-04 |
| NAME OF SUBMITTER: | GREGORY K. SCOTT |
| SIGNATURE: | /Gregory K. Scott/ |
| DATE SIGNED: | 08/12/2019 |
| This document serves as an Oath/Declaration (37 CFR 1.63). | |

Total Attachments: 4

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**ASSIGNMENT FOR NIH/CDC INVENTIONS AIA
(NIH OR CDC CO-INVENTORS ONLY)**

WHEREAS, we, Robert Seder, Neville Kisalu, Azza Idris, and Barbara Flynn, an employee and/or contractor 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, along with another, made certain inventions as described and claimed in:

U.S. Provisional Patent Application No. 62/457,720, filed on February 10, 2017, entitled "NEUTRALIZING ANTIBODIES TO PLASMODIUM FALCIPARUM CIRCUMSPOROZOITE PROTEIN AND THEIR USE;" and

PCT Patent Application No. PCT/US2018/017826, filed on February 12, 2018, entitled "NEUTRALIZING ANTIBODIES TO PLASMODIUM FALCIPARUM CIRCUMSPOROZOITE PROTEIN AND THEIR USE,"

both applications are 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:

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| Inventor: Robert Seder | |
| Date <u>3/6/2018</u> | <u>[Signature]</u> Inventor Signature |
| County of <u>MONTGOMERY</u> | |
| State of <u>MARYLAND</u> | |
| Subscribed and sworn to before me this <u>6</u> day of <u>MARCH</u> | |
| Seal <div style="border: 1px solid black; padding: 5px; width: fit-content;"><p>MONIQUE C. YOUNG Notary Public-Maryland Prince George's County My Commission Expires October 07, 2020</p></div> | Notary Signature: <u>[Signature]</u> Notary Public for the State of: <u>MARYLAND</u> My Commission Expires: <u>October 7, 2020</u> |

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|--|---|
| Inventor: Neville Kisalu | |
| Date <u>3/6/2018</u> | <u>Bron Kisalu</u> Inventor Signature |
| County of <u>MONTGOMERY</u> | |
| State of <u>MD</u> | |
| Subscribed and sworn to before me this <u>6TH</u> day of <u>MARCH</u> , <u>2018</u> . | |
| Seal | |
| <div style="border: 1px solid black; padding: 5px; width: fit-content;"><p>MONIQUE C. YOUNG Notary Public-Maryland Prince George's County My Commission Expires October 07, 2020</p></div> | Notary Signature: <u>Monique C. Young</u> Notary Public for the State of: <u>Maryland</u> My Commission Expires: <u>October 7, 2020</u> |

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|--|---|
| Inventor: Azza Idris | |
| Date <u>3/6/2018</u> | <u>Azza Idris</u> Inventor Signature |
| County of <u>Montgomery</u> | |
| State of <u>Maryland</u> | |
| Subscribed and sworn to before me this <u>6</u> day of <u>March</u> , <u>2018</u> . | |
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|--|--|
| Inventor: Barbara Flynn | |
| Date <u>3/6/2018</u> | <u>Barbara Flynn</u> Inventor Signature |
| County of <u>Montgomery</u> | |
| State of <u>Maryland</u> | |
| Subscribed and sworn to before me this <u>6</u> day of <u>March</u> , <u>2018</u> . | |
| Seal | |
| <div style="border: 1px solid black; padding: 5px; width: fit-content;"><p>MONIQUE C. YOUNG Notary Public-Maryland Prince George's County My Commission Expires October 07, 2020</p></div> | Notary Signature: <u>Monique C. Young</u> Notary Public for the State of <u>Maryland</u> My Commission Expires: <u>October 7, 2020</u> |