

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Nathan D. Wolfe</td> <td>09/21/2007</td> </tr> <tr> <td>Donald S. Burke</td> <td>10/18/2007</td> </tr> </tbody> </table>		Name	Execution Date	Nathan D. Wolfe	09/21/2007	Donald S. Burke	10/18/2007				
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Donald S. Burke	10/18/2007										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Johns Hopkins University</td> </tr> <tr> <td>Street Address:</td> <td>3400 N. Charles Street</td> </tr> <tr> <td>City:</td> <td>Baltimore</td> </tr> <tr> <td>State/Country:</td> <td>MARYLAND</td> </tr> <tr> <td>Postal Code:</td> <td>21218</td> </tr> </table>		Name:	Johns Hopkins University	Street Address:	3400 N. Charles Street	City:	Baltimore	State/Country:	MARYLAND	Postal Code:	21218
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: 5035955301 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 503-595-5300 Email: gina.horton@klarquist.com Correspondent Name: Jodi L. Connolly, Klarquist Sparkman LLP Address Line 1: 121 SW Salmon Street, Suite 1600 Address Line 2: One World Trade Center Address Line 4: Portland, OREGON 97204-2988</p>											
ATTORNEY DOCKET NUMBER:	6395-77626-21										
NAME OF SUBMITTER:	Jodi L. Connolly										
Signature:	/Jodi L. Connolly/										
Date:	10/01/2013										

CH \$40.00 14032914

Total Attachments: 6

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MW
21 Sept 07
ASSIGNMENT
Los Angeles, California

We, Nathan D. Wolfe, of ~~Baltimore, Maryland~~, and Donald S. Burke of Washington, D.C., in collaboration with William M. Switzer, of Stone Mountain, Georgia; Walid Heneine, of Atlanta, Georgia; Thomas M. Folks, of Lithonia, Georgia; and Dr. Col. Mpoudi Ngole Eitel, of Yaounde, Cameroon, have invented PRIMATE T-LYMPHOTROPIC VIRUSES. This is an Assignment of the following rights, title and interest:

- United States of America rights, title and interest in the invention.
- Foreign rights, title and interest in the invention.
- United States Provisional Patent Application Serial No. 60/654,484 filed on February 21, 2005.
- United States Patent Application Serial No. 11/678,596; Date of Execution: _____; Date of Filing: February 24, 2007.
- International PCT Patent Application Serial No. PCT/US06/05869 filed on February 21, 2006.

We were employed by Johns Hopkins University (hereinafter JHU) at the time the invention was made. The conditions under which said invention was made are such as to entitle JHU to the entire right, title, and interest in the invention, in the United States and all other countries throughout the world.

In consideration of our obligations to JHU, and other valuable consideration, we the undersigned, have sold, assigned, and transferred and do sell, assign, and transfer to JHU, and successors and assigns, the full and exclusive right, title, and interest in the patent application and invention throughout the United States of America, its territories and dependencies, and all other countries. This includes an assignment of all Letters Patent that may be granted on the invention in the United States of America and all countries throughout the world, and any divisional, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof; and the right to claim priority from the patent application as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law.

We authorize and request the issuance of said Letters Patent to JHU, as assignee of the entire right, title, and interest to be held as fully and entirely as the same would have been held by us had this assignment not been made.

We warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied that will impair, diminish, limit, or abridge the interest herein conveyed at the time of the execution of the present assignment.

We also agree upon reasonable request to communicate to JHU, its representatives, assigns or agents, any facts known to us respecting the invention, and to testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, provide all requested documents, and do everything reasonably possible to aid JHU and its assigns to obtain and enforce proper patent protection for the invention in the United States or any foreign country. These provisions are binding upon our heirs, legal representatives, administrators and assigns.

We have authorized JHU to file and prosecute this patent application, as well as any corresponding international or national applications that claim priority from it. JHU has the right

to select attorneys or agents of its choice to prosecute at its discretion these applications on its behalf.

We grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information that may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

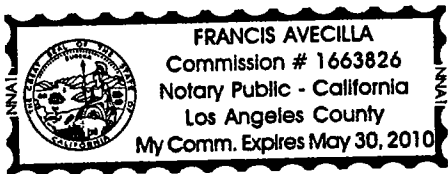
IN TESTIMONY WHEREOF, we have signed their names on the dates indicated.

Dated: 21 Sept 07

[Signature]
Nathan D. Wolfe

STATE OF CALIFORNIA)
) ss.
COUNTY OF LOS ANGELES

This 21ST day of SEPTEMBER, 2007, before me personally came the above-named Nathan D. Wolfe, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.



[Signature]
Notary Public for LOS ANGELES
My commission expires: MAY 30, 2010

[SEAL]

Dated: _____

Donald S. Burke

STATE OF _____)

) ss.

COUNTY OF _____)

This _____ day of _____, 2007, before me personally came the above-named Donald S. Burke, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.

Notary Public for _____

My commission expires:

[SEAL]

ASSIGNMENT

We, Nathan D. Wolfe, of Baltimore, Maryland, and Donald S. Burke of Washington, D.C., in collaboration with William M. Switzer, of Stone Mountain, Georgia; Walid Heneine, of Atlanta, Georgia; Thomas M. Folks, of Lithonia, Georgia; and Dr. Col. Mpoudi Ngole Eitel, of Yaounde, Cameroon, have invented PRIMATE T-LYMPHOTROPIC VIRUSES. This is an Assignment of the following rights, title and interest:

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IN TESTIMONY WHEREOF, we have signed their names on the dates indicated.

Dated: _____

Nathan D. Wolfe

STATE OF _____)

) ss.

COUNTY OF _____)

This _____ day of _____, 2007, before me personally came the above-named Nathan D. Wolfe, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.

Notary Public for _____

My commission expires:

[SEAL]

Dated: 18 OCT 07

Donald S. Burke
Donald S. Burke

STATE OF PENNSYLVANIA
COUNTY OF Allegheny) ss.

This 18th day of Oct, 2007, before me personally came the above-named Donald S. Burke, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.

Donna M. Gibbons
Notary Public for _____

My commission expires:

[SEAL]

COMMONWEALTH OF PENNSYLVANIA

Notarial Seal
Donna M. Gibbons, Notary Public
City Of Pittsburgh, Allegheny County
My Commission Expires Feb. 18, 2011
Member, Pennsylvania Association of Notaries