

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
CONVEYING PARTY DATA									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">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		
Name	Execution Date								
Nathan D Wolfe	09/21/2007								
Donald S Burke	10/18/2007								
RECEIVING PARTY DATA									
Name:	Johns Hopkins University								
Street Address:	3400 N. Charles Street								
City:	Baltimore								
State/Country:	MARYLAND								
Postal Code:	21218								
PROPERTY NUMBERS Total: 3									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>60654484</td> </tr> <tr> <td>Application Number:</td> <td>11678596</td> </tr> <tr> <td>PCT Number:</td> <td>US0605869</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	60654484	Application Number:	11678596	PCT Number:	US0605869
Property Type	Number								
Application Number:	60654484								
Application Number:	11678596								
PCT Number:	US0605869								
CORRESPONDENCE DATA									
Fax Number:	(503)595-5301								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	5035955300								
Email:	molly.boyd@klarquist.com								
Correspondent Name:	Molly Boyd								
Address Line 1:	121 SW Salmon St.								
Address Line 2:	Suite 1600								
Address Line 4:	Portland, OREGON 97204								
ATTORNEY DOCKET NUMBER:	7946-79797-01								
NAME OF SUBMITTER:	Gillian L. Bunker, Ph.D.								

CH \$120.00 60654484

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

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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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: _____

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