

# PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Nathan D. Wolfe	11/21/2008
Donald S. Burke	06/23/2008
David M. Sintasath	01/09/2009
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	
Property Type	Number
Application Number:	60939304
Application Number:	60990138
PCT Number:	US0864270
CORRESPONDENCE DATA	
Fax Number:	(503)595-5301
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	503-595-5300
Email:	dawn.kowalewski@klarquist.com
Correspondent Name:	Ian J. Griswold, Klarquist Sparkman LLP
Address Line 1:	121 SW Salmon Street
Address Line 2:	Suite 1600
Address Line 4:	Portland, OREGON 97204
ATTORNEY DOCKET NUMBER:	6395-76253-03
NAME OF SUBMITTER:	Ian J. Griswold, Ph.D.

OP \$120.00 60939304

**PATENT**

**500772427**

**REEL: 022207 FRAME: 0399**

**Total Attachments: 8**

source=Assignment-JHU#page1.tif

source=Assignment-JHU#page2.tif

source=Assignment-JHU#page3.tif

source=Assignment-JHU#page4.tif

source=Assignment-JHU#page5.tif

source=Assignment-JHU#page6.tif

source=Assignment-JHU#page7.tif

source=Assignment-JHU#page8.tif

**PATENT**

**REEL: 022207 FRAME: 0400**

## ASSIGNMENT

We, Nathan D. Wolfe, of Los Angeles, California, a citizen of United States of America, Donald S. Burke, of Pittsburgh, Pennsylvania, a citizen of the United States of America, and David M. Sintasath, of Atlanta, Georgia, a citizen of the United States of America have co-invented NOVEL SIMIAN T-CELL LYMPHOTROPIC VIRUS for which the following applications have been filed:

U.S. Provisional Patent Application No. 60/939,304, filed on May 21, 2007;  
U.S. Provisional Patent Application No. 60/990,138, filed on November 26, 2007; and  
PCT Patent Application No. PCT/US2008/064270, filed on May 20, 2008.

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 our 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, our full and exclusive right, title, and interest in the patent applications 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 our 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.

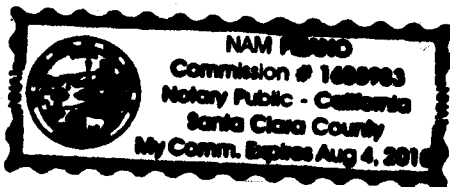
IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 21 Nov 08

[Signature]  
Nathan D. Wolfe

STATE OF CA )  
COUNTY OF San Francisco ) ss.

This 21 day of November 2008, 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  
Notary Public for \_\_\_\_\_  
My commission expires: 08/04/10

Dated: \_\_\_\_\_

\_\_\_\_\_  
Donald S. Burke

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) ss.

This \_\_\_\_ day of \_\_\_\_\_, 2008, 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: \_\_\_\_\_

**Dated:** \_\_\_\_\_

David M. Sintasath

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

This \_\_\_\_ day of \_\_\_\_\_, 2008, before me personally came the above-named David M. Sintasath, 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:**

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, Assignors have signed their names on the dates indicated.

Dated: \_\_\_\_\_

\_\_\_\_\_  
Nathan D. Wolfe

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

This \_\_\_\_ day of \_\_\_\_\_, 2008, 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: \_\_\_\_\_

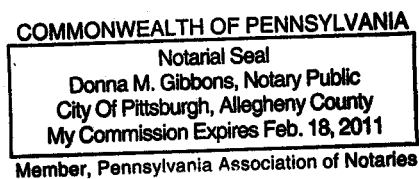
Dated: 6/23/09

STATE OF PA )  
 ) ss.  
COUNTY OF Allegheny )

\_\_\_\_\_  
Donald S. Burke

This 23<sup>rd</sup> day of JUNE, 2008, 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: \_\_\_\_\_



Dated: \_\_\_\_\_

\_\_\_\_\_  
David M. Sintasath

STATE OF \_\_\_\_\_ )

) ss.

COUNTY OF \_\_\_\_\_ )

This \_\_\_\_ day of \_\_\_\_\_, 2008, before me personally came the above-named David M. Sintasath, 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: \_\_\_\_\_

## ASSIGNMENT

We, Nathan D. Wolfe, of Los Angeles, California, a citizen of United States of America, Donald S. Burke, of Pittsburgh, Pennsylvania, a citizen of the United States of America, and David M. Sintasath, of Atlanta, Georgia, a citizen of the United States of America have co-invented NOVEL SIMIAN T-CELL LYMPHOTROPIC VIRUS for which the following applications have been filed:

U.S. Provisional Patent Application No. 60/939,304, filed on May 21, 2007;  
U.S. Provisional Patent Application No. 60/990,138, filed on November 26, 2007; and  
PCT Patent Application No. PCT/US2008/064270, filed on May 20, 2008.

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 our 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, our full and exclusive right, title, and interest in the patent applications 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 our 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, Assignors have signed their names on the dates indicated.

Dated: \_\_\_\_\_

\_\_\_\_\_  
Nathan D. Wolfe

STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

This \_\_\_\_ day of \_\_\_\_\_, 2008, 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: \_\_\_\_\_

Dated: \_\_\_\_\_


\_\_\_\_\_  
Donald S. Burke

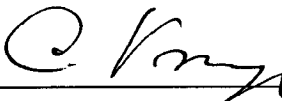
STATE OF \_\_\_\_\_ )  
 ) ss.  
COUNTY OF \_\_\_\_\_ )

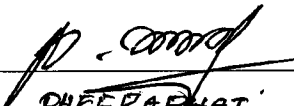
This \_\_\_\_ day of \_\_\_\_\_, 2008, before me personally came the above-named Donald S. Burke, who executed the foregoing Assignment in my presence, and who acknowledged to me that it was executed under that person's own free will for the purposes set forth therein.

\_\_\_\_\_  
Notary Public for \_\_\_\_\_  
My commission expires: \_\_\_\_\_

Executed at: BANGKOK, THAILAND (city and country), this  
9<sup>th</sup> day of JANUARY, 2009.

  
David M. Sintasath

Witnessed by:   
Name (Print): CHALINEE VAMARUPA  
Address: NO. 1411 901 YASOUB I  
VIBHAVADI-RANGSIT CHATUCHAK, BANGKOK  
Date: 9 JANUARY 2009

Witnessed by:   
Name (Print): PHEERAPHAT BOONSOMPHONG  
Address: 6. MOO 9. BAN BUA DISTRICT  
AMPHUMUANG BURIUM THAILAND.  
Date: 9 JANUARY 2009