### PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE:      | NEW ASSIGNMENT |  |
|-----------------------|----------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT     |  |

### **CONVEYING PARTY DATA**

| Name                            | Execution Date |
|---------------------------------|----------------|
| Sanjay K. Phogat                | 02/22/2011     |
| Pascal Raymond Georges Poignard | 03/14/2011     |
| Wayne Koff                      | 02/22/2011     |

### **RECEIVING PARTY DATA**

| Name:             | International AIDS Vaccine Initiative |  |
|-------------------|---------------------------------------|--|
| Street Address:   | 110 Williams Street                   |  |
| Internal Address: | Floor 27                              |  |
| City:             | New York                              |  |
| State/Country:    | NEW YORK                              |  |
| Postal Code:      | 10038-3901                            |  |

### **PROPERTY NUMBERS Total: 1**

| Property Type       | Number   |  |
|---------------------|----------|--|
| Application Number: | 12726245 |  |

### **CORRESPONDENCE DATA**

Fax Number: (617)542-2241

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 6175426000

Email: kricciarelli-wenson@mintz.com

Correspondent Name: Ivor R. Elrifi

Address Line 1: One Financial Center

Address Line 2: Mintz, Levin

Address Line 4: Boston, MASSACHUSETTS 02111

ATTORNEY DOCKET NUMBER: 37418-507001US

NAME OF SUBMITTER: Katherine J. Miller

Total Attachments: 15

PATENT REEL: 026054 FRAME: 0191 OP \$40,00 12726245

501486212



PATENT REEL: 026054 FRAME: 0192

### **ASSIGNMENT**

We, Sanjay K. Phogat, Pascal Raymond Georges Poignard, Wayne Koff, and Melissa Danielle De Jean De St. Marcel Simek-Lemos, 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 the International AIDS Vaccine Initiative, 110 Williams Street, Floor 27, New York, New York, 10038-3901, 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 United States Letters Patent entitled:

## HUMAN IMMUNODEFICIENCY VIRUS (HIV)-NEUTRALIZING ANTIBODIES

filed with the U.S. Patent and Trademark Office on March 17, 2010 and assigned Application No. 12/726,245, including any subsequently filed utility applications, which claim priority to Application No. 12/726,245, 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.

First Inventor

: Po-Ying Chan-Hui et al.

Application No. : 12/726,245 Filed

: March 17, 2010

Page 2 of 5

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.

1 ~ 2./

| Date: 2-22-11   | Jan J.  |
|---|---|
|   | Signature of: Sanjay K. Rhogat  AN SIAN CHOONG  Notary Public, State of New York  No. 0*CH6167205   |
| State of New York   | No. 0*CH6167205   |
| County of KINS  | Qualified in Kings County<br>Commission Expires May 29, 20  |
| personally appeared Sanjay K. Phogat, p identification, which was a | , 20, before me, the undersigned notary public, broved to me through satisfactory evidence of, to be the person whose name is signed on to me that the contents of this document are truthful and and belief. |
|   | Notary Public   |
|   | My commission expires 5-29-11   |

Notary Public

My commission expires

First Inventor

; Po-Ying Chan-Hui et al.

Page 4 of 5

Date:

Signature of: Wayne Koff

State of

County of

On this \_\_\_\_ day of \_\_\_\_, 20\_\_\_, before me, the undersigned notary public, personally appeared Wayne Koff, proved to me through satisfactory evidence of identification, which was a \_\_\_\_\_, 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.

Notary Public

My commission expires

First Inventor : Po-Ying Chan-Hui et al.

Application No. : 12/726,245

First Inventor : Po-Ying Chan-Hui et al.
Application No. : 12/726,245
Filed : March 17, 2010
Page 5 of 5

| Date:                                      | Sign  | nature of: Melissa   | Danielle De Jean De St. Marcel Simek-Lemos   |
|--|---|--|--|
| State of                                   |   |  |  |
|  |   |  |  |
| personally a<br>through sati<br>person who | nppeared Melissa I<br>isfactory evidence o<br>se name is signed o | Danielle De Jean Dof identification, whom this document an | before me, the undersigned notary public, le St. Marcel Simek-Lemos, proved to me aich was a, to be the d who swore or affirmed to me that the contents est of his/her knowledge and belief. |
|  | •   | Not  | ary Public   |
|  |   | Му   | commission expires   |

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### ASSIGNMENT

We, Sanjay K. Phogat, Pascal Raymond Georges Poignard, Wayne Koff, and Melissa Danielle De Jean De St. Marcel Simek-Lemos, 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 the International AIDS Vaccine Initiative, 110 Williams Street, Floor 27, New York, New York, 10038-3901, 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 United States Letters Patent entitled:

# HUMAN IMMUNODEFICIENCY VIRUS (HIV)-NEUTRALIZING ANTIBODIES

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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.

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First Inventor

: Po-Ying Chan-Hui et al.

Application No. : 12/726,245 Filed

: March 17, 2010

Page 2 of 5

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:   | - 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- 1- | C. C. L. V. Dhorat             |
|---|--|--------------------------------|
|   |  | Signature of: Sanjay K. Phogat |
| State of  |  |                                |
| County of   |  |                                |
| personally appeared<br>identification, which<br>this document and | i Sanjay K. Phogat, j<br>h was a         |                                |
|   |  | Notary Public                  |
|   |  | My commission expires          |

| Application No. : 12/726,245  Filed : March 17, 2010 |  |
|--|--|
| Page 3 of 5  | <b>*</b>   |
| Date: 3-14-11  | Signature of: Pascal Raymond Georges Poignard                    |
| State of NY  | LAI SIAN CHOONG Notary Public, State of New York No. 01CH6167205 |
| County of KINGS                                      | No. 01CH6167205  Ouglified in Kings County                       |
|  | Qualified in Kings County Commission Expires May 29, 20          |
| On this 14 day of March,                             | 20 11, before me, the undersigned notary public,                 |
| personally appeared Pascal Raymond Geo               | rges Poignard, proved to me through satisfactory                 |
| evidence of identification, which was a St           | to be the person whose name is                                   |
|  | affirmed to me that the contents of this document are            |
| truthful and accurate to the best of his/her ki      | nowledge and belief.   |
|  |  |
|  | Notary Public  |
|  | My commission expires 5/29/11                                    |

First Inventor : Po-Ying Chan-Hui et al.

Application No. : 12/726,245

Filed : March 17, 2010

Page 4 of 5

Date:

Signature of: Wayne Koff

State of

County of

On this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, before me, the undersigned notary public, personally appeared Wayne Koff, proved to me through satisfactory evidence of identification, which was a \_\_\_\_\_\_\_, 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.

Notary Public

My commission expires

First Inventor : Po-Ying Chan-Hui et al.
Application No. : 12/726,245
Filed : March 17, 2010
Page 5 of 5

| Date:  |   |   |
|--|---|---|
|  | Signat  | ture of: Melissa Danielle De Jean De St. Marcel Simek-Lemos   |
| State of                                     |   |   |
|  |   |   |
| personally a<br>through satis<br>person whos | ppeared Melissa Dan<br>sfactory evidence of i<br>se name is signed on | , 20, before me, the undersigned notary public, nielle De Jean De St. Marcel Simek-Lemos, proved to me identification, which was a, to be the this document and who swore or affirmed to me that the contents accurate to the best of his/her knowledge and belief. |
|  | •   | Notary Public   |
|  |   | My commission expires   |

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Date of Deposit: March 31, 2011

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We, Sanjay K. Phogat, Pascal Raymond Georges Poignard, Wayne Koff, and Melissa Danielle De Jean De St. Marcel Simek-Lemos, 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 the International AIDS Vaccine Initiative, 110 Williams Street, Floor 27, New York, New York, 10038-3901, 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 United States Letters Patent entitled:

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PATENT

**REEL: 026054 FRAME: 0203** 

First Inventor

: Po-Ying Chan-Hui et al.

Application No. : 12/726,245 Filed

Page 2 of 5

: March 17, 2010

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| Date:  |  |
|--|--|
|  | Signature of: Sanjay K. Phogat   |
| State of   |  |
| County of  |  |
| personally appeared Sanjay K. Phog identification, which was a | , 20, before me, the undersigned notary public, ogat, proved to me through satisfactory evidence of, to be the person whose name is signed on firmed to me that the contents of this document are truthful and ledge and belief. |
| •  | Notary Public  |
|  | My commission expires  |

REEL: 026054 FRAME: 0204

First Inventor : Po-Ying Chan-Hui et al.
Application No. : 12/726,245
Filed : March 17, 2010
Page 3 of 5

| Date:  | ·  |            |   |
|--|--|------------|---|
|  |  | Signa      | ture of: Pascal Raymond Georges Poignard  |
| State of   |  |            |   |
| County of _  |  |            |   |
| personally appeared Pascal Raymond evidence of identification, which was a | opeared Pascal Raymond Ge identification, which was a is document and who swore or | r affirmed | before me, the undersigned notary public, bignard, proved to me through satisfactory to be the person whose name is to me that the contents of this document are ge and belief. |
|  |  |            | ry Public   |
|  |  | Myrc       | ommission expires   |

| First Inventor<br>Application No.<br>Filed<br>Page 4 of 5 | : Po-Ying Chan-Hui et al.<br>: 12/726,245<br>: March 17, 2010 | 4 .) 1  |
|---|---|---|
| Date:   | 22-11   | Signature of: Wayne Koff  |
| State of Ne.  |   | LAI SIAN CHOONG Notary Public, State of New York No. 0: CH6167205 Qualified in Kings County Commission Expires May 29, 20   |
| personally appe<br>which was a <u>S</u><br>and who swore  | ared Wayne Koff, prove<br>lake FO                             | , 20 before me, the undersigned notary public, and to me through satisfactory evidence of identification, to be the person whose name is signed on this document are contents of this document are truthful and accurate to the |
|   |   | Notary Dublic   |

First Inventor Application No.

: Po-Ying Chan-Hui et al. : 12/726,245 : March 17, 2010

Page 5 of 5

| Date:   |   |  |  |
|---|---|--|--|
|   | S   | Signature of: Melissa  | Danielle De Jean De St. Marcel Simek-Lemos   |
| State of  |   | ,  |  |
| County of                                       |   |  | •  |
| personally ap<br>through satist<br>person whose | opeared Meliss<br>factory evidence<br>name is signe | a Danielle De Jean I ce of identification, when this document as | , before me, the undersigned notary public,  De St. Marcel Simek-Lemos, proved to me  nich was a, to be the  nich who swore or affirmed to me that the contents  nest of his/her knowledge and belief. |
|   | ,   | No   | tary Public  |
|   |   | My   | commission expires   |

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- 5 -

PATENT

REEL: 026054 FRAME: 0207