

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Lewis R. Makings</td> <td>03/21/2006</td> </tr> <tr> <td>Miguel Garcia-Guzman Blanco</td> <td>03/31/2006</td> </tr> <tr> <td>Dennis J. Hurley</td> <td>03/21/2006</td> </tr> <tr> <td>Ioana Drutu</td> <td>03/21/2006</td> </tr> <tr> <td>Gabriel Raffai</td> <td>08/17/2006</td> </tr> <tr> <td>Daniele M. Bergeron</td> <td>05/22/2006</td> </tr> <tr> <td>Akiko Nakatani</td> <td>03/21/2006</td> </tr> <tr> <td>Andreas P. Termin</td> <td>05/22/2006</td> </tr> <tr> <td>Alina Silina</td> <td>03/31/2006</td> </tr> </tbody> </table>		Name	Execution Date	Lewis R. Makings	03/21/2006	Miguel Garcia-Guzman Blanco	03/31/2006	Dennis J. Hurley	03/21/2006	Ioana Drutu	03/21/2006	Gabriel Raffai	08/17/2006	Daniele M. Bergeron	05/22/2006	Akiko Nakatani	03/21/2006	Andreas P. Termin	05/22/2006	Alina Silina	03/31/2006
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<table border="1"> <tr> <td>Name:</td> <td>Vertex Pharmaceuticals Incorporated</td> </tr> <tr> <td>Street Address:</td> <td>130 Waverly Street</td> </tr> <tr> <td>City:</td> <td>Cambridge</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02139</td> </tr> </table>		Name:	Vertex Pharmaceuticals Incorporated	Street Address:	130 Waverly Street	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02139										
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CORRESPONDENCE DATA																					
Fax Number:	(269)337-7894																				
Phone:	2693377700																				
Email:	mguyman@honigman.com																				
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>																					
Correspondent Name:	Jonathan P. O'Brien, Ph.D.																				
Address Line 1:	350 East Michigan Avenue, Suite 300																				
Address Line 4:	Kalamazoo, MICHIGAN 49007																				

CH \$40.00 12794202

ATTORNEY DOCKET NUMBER:	223306/04-128CPDV1/133202
NAME OF SUBMITTER:	Michele Guyman, Paralegal
<p>Total Attachments: 9</p> <p>source=04128CPDV1_assignment#page1.tif</p> <p>source=04128CPDV1_assignment#page2.tif</p> <p>source=04128CPDV1_assignment#page3.tif</p> <p>source=04128CPDV1_assignment#page4.tif</p> <p>source=04128CPDV1_assignment#page5.tif</p> <p>source=04128CPDV1_assignment#page6.tif</p> <p>source=04128CPDV1_assignment#page7.tif</p> <p>source=04128CPDV1_assignment#page8.tif</p> <p>source=04128CPDV1_assignment#page9.tif</p>	

ASSIGNMENT

I/We,

- (1) Lewis R. Makings, of 337 Cerro Street, Encinitas, California 92024;
- (2) Miguel Garcia-Guzman Blanco, of 4076 Carmel Springs Way, San Diego, California 92130;
- (3) Dennis J. Hurley, of 1513 Black Walnut Drive, San Marcos, California 92078;
- (4) Ioana Drutu, of 328 Rosemont Street, La Jolla, California 92037;
- (5) Gabriel Raffai, of 1421 Alta Palma Road, Perris, California 92571;
- (6) Daniele M. Bergeron, of 7050 Stanford Avenue, La Mesa, California 91941;
- (7) Akiko Nakatani, of 10726 Dabney Drive #72, San Diego, California 92126;
- (8) Andreas P. Termin, of 2080 Wandering Road, Encinitas, California 92024; and
- (9) Alina Silina, of 7160 Shoreline Drive # 4308, San Diego, CA, 92122 USA;

for good and valuable consideration, receipt of which is hereby acknowledged, have assigned, sold and transferred to, and do hereby assign, sell and transfer to, Vertex Pharmaceuticals Incorporated, a corporation organized and existing under the laws of the Massachusetts and having an office and a place of business at 130 Waverly Street, Cambridge, MA 02139, its successors and assigns, all hereinafter referred to as the ASSIGNEE:

(1) the entire right, title and interest in the United States and in all countries throughout the world in and to any and all of my/our inventions, and discoveries disclosed in:

(a) the application for United States Letters Patent entitled: MODULATORS OF MUSCARINIC RECEPTORS, and filed in the United States Patent and Trademark Office on February 22, 2006, under Application Number 11/359,960 including any renewals, revivals, reissues, reexaminations, extensions, continuations, and divisions thereof, and any substitute applications therefor, and/or

(b) the International Patent Application entitled: MODULATORS OF MUSCARINIC RECEPTORS, filed under the Patent Cooperation Treaty in the United States Receiving Office on August 19, 2005 under Application No. PCT/US2005/029780 and designating all countries, 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 at the election of the ASSIGNEE or its designee, on the

aforesaid inventions, discoveries and applications in the United States and in any other country 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 other country of the world, and in and to any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof; and

(4) the entire right, title and interest in and to 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 including, but not limited to, the following priority application(s):

11/208,386	USA	August 19, 2005
Application No.	Country	Filing Date
60/602,731	USA	August 19, 2004
Application No.	Country	Filing Date

and all rights of priority in any country of the world deriving from the above-identified International Patent Application.

I/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 me/us had this assignment, sale and transfer not been made.

I/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.

I/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.

L. R. Makings

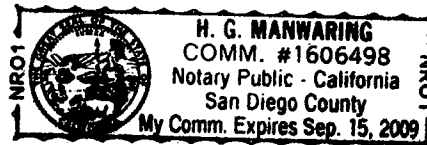
(1) Lewis R. Makings

Date: 3-21-06

State of California
County of San Diego

On this 21st day of March, 2006, before me, the undersigned notary public, personally appeared Lewis R. Makings, proved to me through satisfactory evidence of identification which were personal knowledge, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

H. G. Manwaring
Notary Public
My Commission Expires: 9/15/09



Miguel Garcia-Guzman Blanco

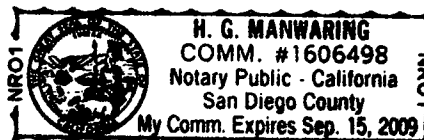
(2) Miguel Garcia-Guzman Blanco

Date: 03/31/06

State of California
County of San Diego

On this 31st day of March, 2006, before me, the undersigned notary public, personally appeared Miguel Garcia-Guzman Blanco, proved to me through satisfactory evidence of identification which were personal knowledge, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

H. G. Manwaring
Notary Public
My Commission Expires: 9/15/09



[Signature]

(3) Dennis J. Hurley

Date: 3/21/06

State of California
County of San Diego

On this 21st day of March, 2006, before me, the undersigned notary public, personally appeared Dennis J. Hurley, proved to me through satisfactory evidence of identification which were personal knowledge, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

[Signature]

Notary Public

My Commission Expires: 9/19/09



[Signature]

(4) Ioana Drutu

Date: 03/21/2006

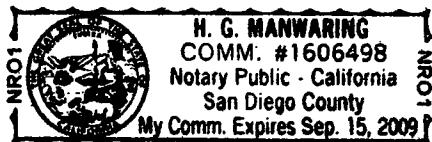
State of California
County of San Diego

On this 21st day of March, 2006, before me, the undersigned notary public, personally appeared Ioana Drutu, proved to me through satisfactory evidence of identification which were personal knowledge, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

[Signature]

Notary Public

My Commission Expires: 9/15/09



Gabriel Raffai

(5) Gabriel Raffai

Date: 08.17.06

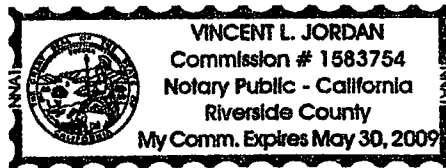
State of California
County of Riverside

On this 17 day of August, 2006, before me, the undersigned notary public, personally appeared Gabriel Raffai, proved to me through satisfactory evidence of identification which were CA DL, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Vincent L. Jordan

Notary Public

My Commission Expires: May 30, 2009.



(6) Daniele M. Bergeron

Date: _____

State of _____
County of _____

On this _____ day of _____, 2006, before me, the undersigned notary public, personally appeared Daniele M. Bergeron, proved to me through satisfactory evidence of identification which were _____, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Notary Public

My Commission Expires: _____.

(5) Gabriel Raffai

Date: _____

State of _____
County of _____

On this _____ day of _____, 2006, before me, the undersigned notary public, personally appeared Gabriel Raffai, proved to me through satisfactory evidence of identification which were _____, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Notary Public
My Commission Expires: _____

Daniele M. Bergeron
(6) Daniele M. Bergeron

Date: 5-22-06

State of California
County of San Diego

On this 22nd day of May, 2006, before me, the undersigned notary public, personally appeared Daniele M. Bergeron, proved to me through satisfactory evidence of identification which were personal knowledge, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

H. G. Manwaring
Notary Public
My Commission Expires: 9/15/09



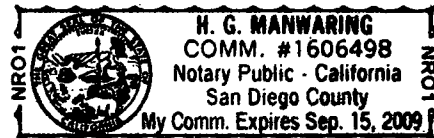
Akiko Nakatani
(7) Akiko Nakatani

Date: 03.21.2006

State of California
County of San Diego

On this 21st day of March, 2006, before me, the undersigned notary public, personally appeared Akiko Nakatani, proved to me through satisfactory evidence of identification which were personal knowledge, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

H. G. Manwaring
Notary Public
My Commission Expires: 9/15/09



Andreas P. Termin
(8) Andreas P. Termin

Date: 05/21/2006

State of California
County of San Diego

On this 22nd day of May, 2006, before me, the undersigned notary public, personally appeared Andreas P. Termin, proved to me through satisfactory evidence of identification which were personal knowledge, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

H. G. Manwaring
Notary Public
My Commission Expires: 9/15/09



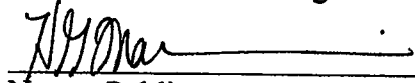


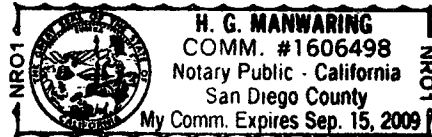
(9) Alina Silina

Date: March 31, 2006

State of California
County of San Diego

On this 31st day of March, 2006, before me, the undersigned notary public, personally appeared Alina Silina, proved to me through satisfactory evidence of identification which were personal knowledge, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.


Notary Public
My Commission Expires: 9/15/09



ACKNOWLEDGMENT OF ASSIGNEE

By: [Signature]

Title: Chief Patent Counsel

Date: 10/2/06

State of Massachusetts
County of Middlesex

On this 2nd day of October, 2006, before me, the undersigned notary public, personally appeared Stephen Nashiff (name of document signer), proved to me through satisfactory evidence of identification which were personal knowledge, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

Susan Batty-Gunn
Notary Public
My Commission Expires: 5/26/11

