

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Abran Q. Costales</td> <td>08/17/2010</td> </tr> <tr> <td>Jeff Xianming Jin</td> <td>08/17/2010</td> </tr> <tr> <td>Sabina Pecchi</td> <td>08/17/2010</td> </tr> <tr> <td>Daniel Poon</td> <td>08/17/2010</td> </tr> </tbody> </table>		Name	Execution Date	Abran Q. Costales	08/17/2010	Jeff Xianming Jin	08/17/2010	Sabina Pecchi	08/17/2010	Daniel Poon	08/17/2010
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Novartis Vaccines and Diagnostics, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>4560 Horton Street</td> </tr> <tr> <td>City:</td> <td>Emeryville</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94608</td> </tr> </table>		Name:	Novartis Vaccines and Diagnostics, Inc.	Street Address:	4560 Horton Street	City:	Emeryville	State/Country:	CALIFORNIA	Postal Code:	94608
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PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13473230</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13473230						
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CORRESPONDENCE DATA											
<p>Fax Number: 6178713392 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (510) 923-2707 Email: lisa.nash@novartis.com</p> <p>Correspondent Name: Novartis Institutes for BioMedical Res Address Line 1: 220 Massachusetts Avenue, 2nd Floor Address Line 2: NIBR Patents Address Line 4: Cambridge, MASSACHUSETTS 02139</p>											
ATTORNEY DOCKET NUMBER:	PAT053763-US-DIV										
NAME OF SUBMITTER:	Lisa Nash										
Signature:	/lisa nash/										

PATENT

Date:

08/29/2013

Total Attachments: 10

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ASSIGNMENT

For good and valuable consideration, the receipt and adequacy of which are hereby acknowledged, we

Abran Q. COSTALES	citizen of United States of America	Novartis Vaccines and Diagnostics, Inc. 4560 Horton Street Emeryville, CA 94608-2916 USA
Jeff (Xianming) JIN	citizen of United States of America	Novartis Vaccines and Diagnostics, Inc. 4560 Horton Street Emeryville, CA 94608-2916 USA
Sabina PECCHI	citizen of Italy	Novartis Vaccines and Diagnostics, Inc. 4560 Horton Street Emeryville, CA 94608-2916 USA
Daniel POON	citizen of United States of America	Novartis Vaccines and Diagnostics, Inc. 4560 Horton Street Emeryville, CA 94608-2916 USA

do hereby sell, assign and transfer to Novartis Vaccines and Diagnostics, Inc., a company organized under the laws of the United States of America, of 4560 Horton Street, Emeryville, CA 94608-2916, USA, (hereinafter referred to as the "ASSIGNEE") and its successors, assigns and legal representatives, all of my right, title and interest for all countries of the world in and to (1) all of my inventions and discoveries described in the patent application(s) titled

COMPOUNDS AND COMPOSITIONS AS PROTEIN KINASE INHIBITORS

and filed in the United States Patent and Trademark Office on _____, 20__ and accorded Application Number _____ * and/or filed in the RO/ _____ on _____, 20__ and accorded International Patent Application Number PCT/_____, (2) the patent application(s) identified in (1), (3) all national stages of any international patent application identified in (1), (4) all other patent applications in all countries and regions claiming the priority of the provisional or non-provisional patent application filed in the United States Patent and Trademark Office on August 28, 2009 and accorded Application Number 61/238,083 and on March 11, 2010 and accorded Application Number 61/313,081, (5) for all patent applications, all rights of priority based upon the United States patent application identified in (4) in all countries and regions under the Paris Convention for the Protection of Industrial Property, the Inter-American Convention relating to Inventions, Patents, Designs, and Industrial Models and all other international agreements to which the United States now is or hereafter becomes a signatory and, if the United States patent application identified in (4) is a provisional patent application, under 35 USC 119(e) (including the right to file patent applications on said inventions and discoveries in the names of ASSIGNEE or their designees or in our names, at their election and in accordance with applicable law in all countries and regions), (6) all continuations and divisions of any United States patent application or international patent application designating the United States identified in (1), any national stages of any international application identified in (1) and any patent applications within the scope of (4) (including further continuations and divisions such as, but not limited to, continuations of continuations and continuations of divisions), ((2)-(4) and (5) hereinafter referred to collectively as "patent applications"), (7) all patents that are granted on any of said patent applications, (8) all registrations and confirmations of, and importation certificates based upon, one or more of said patents and applications for such registrations, confirmations and importation certificates and (9) all reissues, renewals and extensions of said patents, registrations, confirmations and importation certificates, reexamination certificates issued for said patents and supplementary protection certificates based upon said patents and applications for such reissues, renewals, extensions, reexamination certificates and supplementary protection certificates, the same to be held and

enjoyed by said ASSIGNEE and their successors, assigns and legal representatives to the full ends of the terms for which said patents, registrations, confirmations, importation certificates, reexamination certificates, supplementary protection certificates, reissues, renewals and extensions may be granted, as fully and entirely as the same would have been held and enjoyed by us if this sale, assignment and transfer had not been made.

*We hereby authorize ASSIGNEE and their representatives to insert in this Assignment the filing date(s) and Application Number(s) of said patent application(s) when notified thereof.

And we hereby covenant and agree that we will, at any time, (i) upon the request, but at the expense, of ASSIGNEE or their successors, assigns or legal representatives execute and deliver all documents that may be necessary or desirable to perfect the title to the foregoing inventions and discoveries, patent applications, patents, registrations, confirmations, importation certificates, reissues, renewals, extensions, reexamination certificates, supplementary protection certificates and applications within the scope of (8) and (9) in ASSIGNEE or their successors, assigns or legal representatives, including the execution and procurement of all further documents evidencing this sale, assignment and transfer as may be necessary or desirable for recording the same in the patent office or other intellectual property office, agency or the like of any country or region, (ii) upon the request, but at the expense, of ASSIGNEE or their successors, assigns or legal representatives execute all additional patent applications within the scope of (3), (4) and (6) and all applications within the scope of (8) or (9) and (iii) make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein, without further compensation, but at the expense of ASSIGNEE or their successors, assigns or legal representatives.

This Assignment is effective as from the earliest priority date as stated above.

Executed this 17 day of August, 2010

Abran Q. COSTALES L.S.
Abran Q. COSTALES

ACKNOWLEDGEMENT

State of California)
) s.s.:
County of Alameda)

On this 17 day of August, 2010, personally appeared before me _____ to me known and known by me to be the same person described in and who executed the foregoing Assignment and acknowledged that (s)he executed the same of his (her) own free will for the purpose set forth.

(Seal)

See Attachment


Notary Public

Jeff (Xiaoming) JIN

Notary Public

Sabina PECCHI

~~Notary Public~~

 L.S.
Daniel POON

State of _____)
County of _____) s.s.

(Seal)

Notary Public

ACCEPTANCE OF ASSIGNMENT

With reference to the Assignment to Novartis Vaccines and Diagnostics, Inc. of an invention entitled "COMPOUNDS AND COMPOSITIONS AS PROTEIN KINASE INHIBITORS" signed by Abran Q. COSTALES, Jeff (Xianming) JIN, Sabina PECCHI and Daniel POON; this will certify that Novartis Vaccines and Diagnostics, Inc. accepts such Assignment.

Novartis Vaccines and Diagnostics, Inc.

By: Lisa Alexander _____
Name: Lisa Alexander _____
Function: Official Secretary _____
Date: 8/18/10 _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

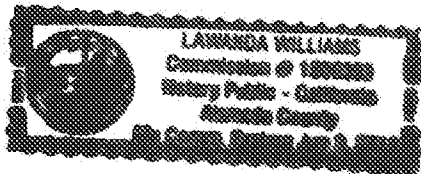
State of California

County of Alameda

On Aug 17, 2010 before me, Lawanda Williams - Notary Public

personally appeared Abrian G. Costales

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: Lawanda Williams

Place Notary Seal and/or Stamp Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

Corporate Officer — Title(s): _____

Individual _____

Partner — ☐ Limited ☐ General _____

Attorney in Fact _____

Trustee _____

Guardian or Conservator _____

Other: _____

Signer Is Representing: _____

Signer's Name: _____

Corporate Officer — Title(s): _____

Individual _____

Partner — ☐ Limited ☐ General _____

Attorney in Fact _____

Trustee _____

Guardian or Conservator _____

Other: _____

Signer Is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

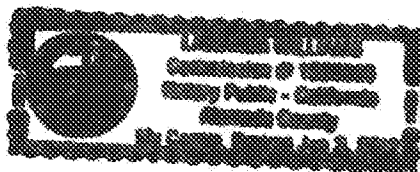
State of California

County of Alameda

On Aug 17, 2010 before me, Lawanda Williams-Notary Public

personally appeared Jeff (Xianming) Jin

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: Lawanda Williams

Place Notary Seal and/or Stamp Above

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Signer's Name: _____

☐ Corporate Officer — Title(s): _____

☐ Individual

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

Other: _____

Signer Is Representing: _____

Signer's Name: _____

☐ Corporate Officer — Title(s): _____

☐ Individual

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Trustee

☐ Guardian or Conservator

Other: _____

Signer Is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

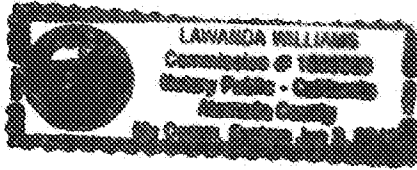
State of California

County of Alameda

On Aug 17, 2010 before me, Lawanda Williams - Notary Public
Here Insert Name and Title of the Officer

personally appeared Sabina Pecchi
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: Lawanda Williams
Signature of Notary Public

Place Notary Seal and/or Stamp Above

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Capacity(ies) Claimed by Signer(s)

Signer's Name: _____ Signer's Name: _____

☐ Corporate Officer — Title(s): _____ ☐ Corporate Officer — Title(s): _____

☐ Individual ☐ Individual

☐ Partner — ☐ Limited ☐ General ☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact ☐ Attorney in Fact

☐ Trustee ☐ Trustee

☐ Guardian or Conservator ☐ Guardian or Conservator

☐ Other: _____ ☐ Other: _____

Signer Is Representing: _____ Signer Is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

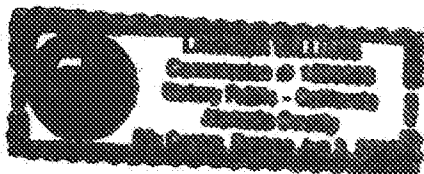
State of California

County of Alameda

on Aug 17, 2010 before me, Lawanda Williams - Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Daniel Pooh
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



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WITNESS my hand and official seal.

Signature: Lawanda Williams
Signature of Notary Public

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☐ Corporate Officer — Title(s): _____

☐ Individual

☐ Individual

☐ Partner — ☐ Limited ☐ General

☐ Partner — ☐ Limited ☐ General

☐ Attorney in Fact

☐ Attorney in Fact

☐ Trustee

☐ Trustee

☐ Guardian or Conservator

☐ Guardian or Conservator

☐ Other: _____

☐ Other: _____

Signer Is Representing: _____

Signer Is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

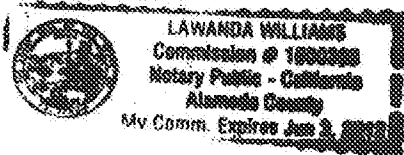
State of California

County of Alameda

On Aug 16, 2010 before me, Lawanda Williams - Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Lisa E. Alexander
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



Place Notary Seal Above

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Lawanda Williams
Signature of Notary Public

OPTIONAL

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☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____



Signer's Name: _____

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☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

