

## PATENT ASSIGNMENT COVER SHEET

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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>XIZHONG HUANG</td> <td>07/24/2013</td> </tr> <tr> <td>ZHU ALEXANDER CAO</td> <td>07/29/2013</td> </tr> </tbody> </table>		Name	Execution Date	XIZHONG HUANG	07/24/2013	ZHU ALEXANDER CAO	07/29/2013				
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XIZHONG HUANG	07/24/2013										
ZHU ALEXANDER CAO	07/29/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>NOVARTIS INSTITUTES OF BIOMEDICAL RESEARCH, INC.</td> </tr> <tr> <td>Street Address:</td> <td>250 MASSACHUSETTS AVENUE</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:	NOVARTIS INSTITUTES OF BIOMEDICAL RESEARCH, INC.	Street Address:	250 MASSACHUSETTS AVENUE	City:	CAMBRIDGE	State/Country:	MASSACHUSETTS	Postal Code:	02139
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (857)300-4001</p> <p>Phone: 857-300-4003</p> <p>Email: bostonpatent@lathropgage.com, ekarnas@lathropgage.com</p> <p><i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i></p> <p>Correspondent Name: BRIAN C. TRINQUE, PH.D., ESQ.</p> <p>Address Line 1: LATHROP &amp; GAGE LLP</p> <p>Address Line 2: 28 STATE STREET, 7TH FLOOR</p> <p>Address Line 4: BOSTON, MASSACHUSETTS 02109</p>											
ATTORNEY DOCKET NUMBER:	544146 (NVT-099)										
NAME OF SUBMITTER:	BRIAN C. TRINQUE, PH.D., ESQ.										
Signature:	/Brian C. Trinque/										
Date:	10/08/2013										

CH \$40.00 13799706

**Total Attachments: 7**

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**PATENT**

**REEL: 031365 FRAME: 0886**

ASSIGNMENT

WHEREAS, we, **Xizhong Huang** of Southborough, Massachusetts and **Zhu Alexander Cao** of Acton, Massachusetts have invented a certain new and useful invention entitled:

COMBINATION THERAPY

U.S. Application No.: 13/799,706, filed March 13, 2013

for which we are about to make or have made application for Letters Patent of the United States; and

WHEREAS, **Novartis Institutes of Biomedical Research, Inc.** corporation duly organized under the laws of the United States, and having its principal place of business at 250 Massachusetts Avenue, Cambridge, Massachusetts 02139, United States is desirous of acquiring all rights, title and interests in and to said invention, said application(s), and in and to any and all Letters Patent which may be granted for or upon said invention and application(s) in the United States of America and anywhere in the world.

NOW THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, we, **Xizhong Huang** and **Zhu Alexander Cao** have sold, assigned and transferred, and by these presents do sell, assign and transfer, unto said **Novartis Institutes of Biomedical Research, Inc.** the full and exclusive right, title and interest, throughout the world, in, to and under the following:

- (a) said invention as fully set forth and described in the specification prepared, and executed by us preparatory to obtaining Letters Patent of the United States therefor;
- (b) said application(s);

(c) any and all refilings, divisions, continuations and continuations-in-part of said application(s);

(d) any and all Letters Patent of the United States of America which may issue from said application(s), refilings, divisions, continuations and continuations-in-part;

(e) any and all reissues and reexaminations of said Letters Patent of the United States of America;

(f) any and all application(s) for Letters Patent upon said invention which may hereafter be filed in any and all countries foreign to the United States of America;

(g) any and all refilings, divisions and continuations of said foreign-filed application(s);

(h) any and all Letters Patent of countries foreign to the United States of America which may issue from the said foreign-filed application(s), refilings, divisions and continuations; and

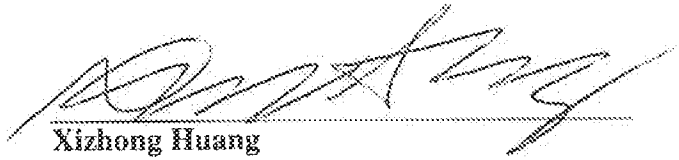
(i) any and all extensions of, and additions to, said Letters Patent of countries foreign to the United States of America.

We, **Xizhong Huang** and **Zhu Alexander Cao** further agree that upon request we will provide promptly all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to **Novartis Institutes of Biomedical Research, Inc.** or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application(s), said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

All of the above shall be held and enjoyed by said **Novartis Institutes of Biomedical Research, Inc.** for its own use and benefit, and for its successors, legal representatives and assigns, to the full end of the term for which said Letters Patent may be granted, and I hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent in accordance with this Assignment.

This assignment to have effect as of the filing date of March 13, 2013.

7/24/2013  
Date:

  
Xizhong Huang

Signed in my presence and acknowledged to be an assignment of the application herein  
above referred to:

WITNESS

Cambridge, MA  
Signed At (City/State)

RITA DAS  
Name

Rita Das  
Signature

July 24, 2013  
Date

ASSIGNMENT

WHEREAS, we, **Xizhong Huang** of Southborough, Massachusetts and **Zhu Alexander Cao** of Acton, Massachusetts have invented a certain new and useful invention entitled:

COMBINATION THERAPY

U.S. Application No.: 13/799,706, filed March 13, 2013

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- (b) said application(s);

(c) any and all refilings, divisions, continuations and continuations-in-part of said application(s);

(d) any and all Letters Patent of the United States of America which may issue from said application(s), refilings, divisions, continuations and continuations-in-part;

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This assignment to have effect as of the filing date of March 13, 2013.

\_\_\_\_\_  
Date:

\_\_\_\_\_  
Xizhong Huang

Signed in my presence and acknowledged to be an assignment of the application herein  
above referred to:

WITNESS

\_\_\_\_\_  
Signed At (City/State)

\_\_\_\_\_  
Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date



July 29, 2013

Date:

Zhu Alexander Cao  
Zhu Alexander Cao

Signed in my presence and acknowledged to be an assignment of the application herein  
above referred to:

WITNESS

Cambridge / MA

Signed At (City/State)

HUAIXIANG HAO

Name

[Signature]

Signature

July 29, 2013

Date