

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sudhir Agrawal</td> <td>01/24/2011</td> </tr> <tr> <td>Lakshmi Bhagat</td> <td>01/26/2011</td> </tr> <tr> <td>Dong Yu</td> <td>01/26/2011</td> </tr> <tr> <td>Ekambar Kandimalla</td> <td>01/24/2011</td> </tr> </tbody> </table>		Name	Execution Date	Sudhir Agrawal	01/24/2011	Lakshmi Bhagat	01/26/2011	Dong Yu	01/26/2011	Ekambar Kandimalla	01/24/2011
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Idera Pharmaceuticals, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>167 Sidney 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:	Idera Pharmaceuticals, Inc.	Street Address:	167 Sidney Street	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02139
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CORRESPONDENCE DATA											
Fax Number: (312)876-2020 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> Email: rburke@woodphillips.com Correspondent Name: Joseph C. Zucchero Address Line 1: Wood, Phillips, Katz, Clark & Mortimer Address Line 2: 500 W. Madison Street - Suite 3800 Address Line 4: Chicago, ILLINOIS 60661											
ATTORNEY DOCKET NUMBER:	IDE10639P00084US										
NAME OF SUBMITTER:	Joseph C. Zucchero										
Total Attachments: 4 source=IDE10639P00084US#page1.tif											

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ASSIGNMENT

WHEREAS we, **Sudhir Agrawal**, being a citizen of the United States of America and residing at 61 Lamplighter Drive, Shrewsbury, Massachusetts 01545; **Lakshmi Bhagat**, being a citizen of India and residing at 1550 Worcester Street, Unit 605, Framingham, Massachusetts 01702; **Dong Yu**, being a citizen of China and residing at 25 Indian Pond Road, Westboro, Massachusetts, 01581; and **Ekambar R. Kandimalla**, being a citizen of the United States of America and residing at 3 Overlook Road, Hopkinton, Massachusetts 01748, are inventors of certain new and useful inventions and discoveries, for which we have made an application for Letters Patent entitled **MODULATION OF IMMUNOSTIMULATORY PROPERTIES OF OLIGONUCLEOTIDE-BASED COMPOUNDS BY UTILIZING MODIFIED IMMUNOSTIMULATORY DINUCLEOTIDES**, which application was filed in the United States Patent and Trademark Office on November 23, 2010, and assigned Serial No. 12/952,863; and

WHEREAS Idera Pharmaceuticals, Inc., a corporation existing under the laws of Delaware, whose address is 167 Sidney Street, Cambridge, MA 02139, which together with its successors and assigns is hereinafter called "ASSIGNEE," is desirous of acquiring all right, title, interest, benefits, and privileges to and under said inventions and discoveries as hereinafter recited;

NOW THEREFORE, for and in consideration of good and valuable consideration furnished by ASSIGNEE to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer and convey to ASSIGNEE the entire right, title and interest in and to said inventions and discoveries, said application for Letters Patent, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, continuation-in-part, and convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters

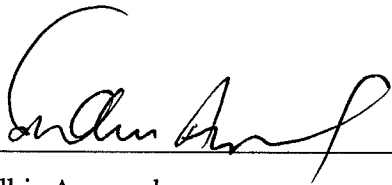
Patent, reissues and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon, or arise from, said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize ASSIGNEE to file patent applications in any or all countries on any or all of said inventions and discoveries in my name or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable, under International Conventions or otherwise;
3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered official of any other government throughout the world to issue or transfer all said Letters Patent to ASSIGNEE as ASSIGNEE of the entire right, title and interest therein or otherwise as ASSIGNEE may direct;
4. Warrant that we have the full right to convey the entire right, title and interest herein assigned without encumbrance and have not knowingly conveyed to others any right, title or interest in said inventions, discoveries, applications or patents or any license to use the same, or to make, use, sell or import anything embodying or utilizing any of said inventions or discoveries;
5. Bind my heirs, legal representatives and assigns, as well as myself, to do, upon ASSIGNEE's request and at ASSIGNEE's expense, but without additional consideration to us or them, all acts reasonably serving to assure that said inventions and discoveries, said patent applications, and said Letters Patents shall be held and enjoyed by ASSIGNEE as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives and assigns as if this Assignment had not been made; and particularly to execute and deliver to ASSIGNEE all lawful application documents including petitions, specifications and oaths, and all assignments, disclaimers and lawful affidavits in form and substance as may be requested by ASSIGNEE; and to communicate to ASSIGNEE all facts known to me relating to said inventions and discoveries or

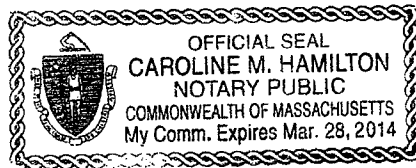
the history thereof, and to testify as to the same in any court or proceeding; and to furnish ASSIGNEE any and all documents, photographs, models, samples and other physical exhibits in my control or in the control of my heirs, legal representatives or assigns which may be useful for establishing the facts of my conceptions, disclosures, and reduction to practice of said invention and discoveries.

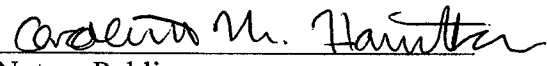
IN TESTIMONY WHEREOF, we have hereunto set our hands and seals.

Date: 1-24-2011



Sudhir Agrawal

Then personally appeared before me this 24th day of January, 2011,
the above named Sudhir Agrawal who acknowledged the execution of the foregoing
instrument to be his free act and deed.

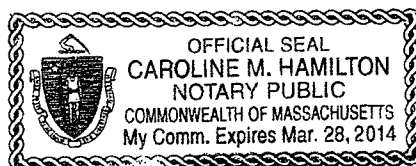


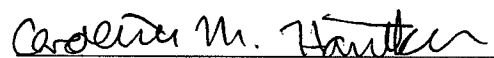

Notary Public

Date: 1-26-2011



Lakshmi Bhagat

Then personally appeared before me this 26th day of January, 2011,
the above named Lakshmi Bhagat who acknowledged the execution of the foregoing
instrument to be his free act and deed.

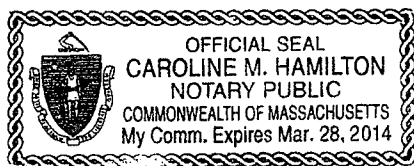




Notary Public

Date: 1-20-2011

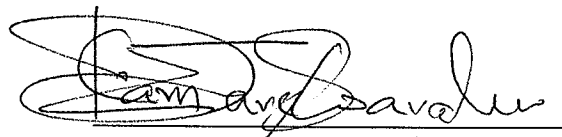

Dong Yu

Then personally appeared before me this 20th day of January, 2011,
the above named Dong Yu who acknowledged the execution of the foregoing instrument
to be his free act and deed.

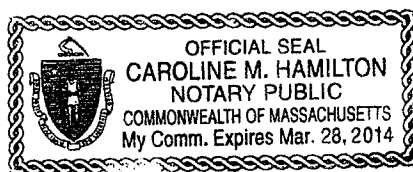


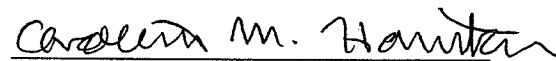

Notary Public

Date: 1-24-2011


Ekambar Kandimalla

Then personally appeared before me this 24th day of January, 2011,
the above named Ekambar Kandimalla who acknowledged the execution of the foregoing
instrument to be his free act and deed.




Notary Public