

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3886824

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BING WANG	04/11/2016
DANIEL CHU	03/29/2016
ALEXANDER J. BRIDGES	03/30/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	BIOMARIN PHARMACEUTICAL INC.
<b>Street Address:</b>	105 DIGITAL DRIVE
<b>City:</b>	NOVATO
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	94949
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15023337
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(415)382-1417
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	415-506-6709
<b>Email:</b>	rjagow@bmrn.com
<b>Correspondent Name:</b>	LUISA BIGORNIA
<b>Address Line 1:</b>	105 DIGITAL DRIVE
<b>Address Line 4:</b>	NOVATO, CALIFORNIA 94949
<b>ATTORNEY DOCKET NUMBER:</b>	11808-221-999
<b>NAME OF SUBMITTER:</b>	RHODA JAGOW
<b>SIGNATURE:</b>	/rhj/
<b>DATE SIGNED:</b>	05/24/2016
<b>Total Attachments: 5</b>	
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**ASSIGNMENT**

WHEREAS, WE, Bing Wang, citizenship of the United States, residing at 105 Digital Drive, Novato, CA 94949, Daniel Chu, citizenship of the United States, residing at 3767 Benton Street, Santa Clara, CA 95051, and Alex Bridges, citizenship of the United States, residing at 3389 Surrey Drive, Saline, MI 48176; ASSIGNORS, are the inventors of the invention in GLUCOSYLCERAMIDE SYNTHASE INHIBITORS FOR THE TREATMENT OF DISEASE for which we have executed an application for a Patent of the United States

- ☒ Which is identified by Jones Day docket no. 11808-221-999
- ☒ Which was filed on March 18, 2016, Application No. 15/023,337

and WHEREAS, **BIOMARIN PHARMACEUTICAL INC.**, ASSIGNEE and having an office for the transaction of business at 105 Digital Drive, Novato, CA 94949, ASSIGNEE, is desirous of obtaining the said assignors' entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of good and valuable consideration, the receipt of which is hereby acknowledged, WE, the said ASSIGNOR, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assign, our entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventors' certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

AND WE HEREBY authorize and request the Commissioner for Patents and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assign, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assign, to obtain and enforce proper protection for said invention in all countries.

IN TESTIMONY WHEREOF, We hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 4/11/2016, 2016

Bing Wang

Bing Wang

L.S.

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA )

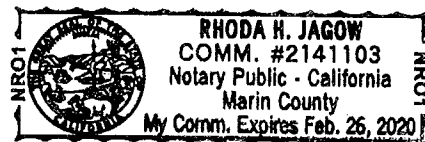
COUNTY OF Marin )

On April 11, 2016 before me, Rhoda Jagow, Notary Public, personally appeared Bing Wang, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 Rhoda Jagow (Seal)



Date March 29, 2016

Daniel Chu L.S.  
Daniel Chu

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA )

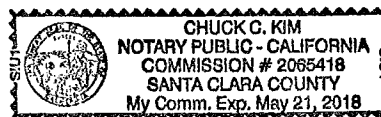
COUNTY OF SANTA CLARA )

On MARCH 29, 2016 before me, CHUCK C. KIM, Notary Public, personally appeared Daniel Chu, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 Chuck Kim (Seal)



Date 30th March, 2016Alexander J. Bridges. L.S.  
Alex Bridges

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

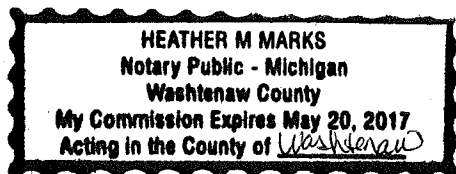
STATE OF MICHIGAN )

COUNTY OF WASHTENAW )

On MARCH 30, 2016 before me, Heather M Marks, Notary Public, personally appeared Alex Bridges, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity and that by his signature on the instrument the person, or the entity upon behalf of which the person 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 Heather M Marks (Seal)

ACCEPTED AND AGREED TO BY ASSIGNEE, BIOMARIN PHARMACEUTICAL INC.:

Signature Luisa BigorniaDate: 05/23/2016Printed Name Luisa BigorniaTitle VP, Intellectual Property

**PATENT**  
**REEL: 038703 FRAME: 0345**

# CALIFORNIA CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )

County of Marin )

On May 23, 2016 before me, Rhoda Jagow, Notary Public,  
(here insert name and title of the officer)

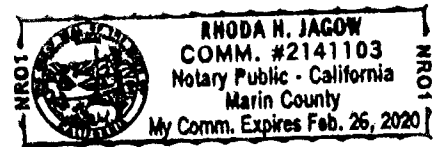
personally appeared Luisa Bigornia

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 Rhoda Jagow



(Seal)

## Optional Information

Although the information in this section is not required by law, it could prevent fraudulent removal and reattachment of this acknowledgment to an unauthorized document and may prove useful to persons relying on the attached document.

### Description of Attached Document

The preceding Certificate of Acknowledgment is attached to a document titled/for the purpose of \_\_\_\_\_

containing \_\_\_\_\_ pages, and dated \_\_\_\_\_

The signer(s) capacity or authority is/are as:

- ☐ Individual(s)  
☐ Attorney-in-Fact  
☐ Corporate Officer(s) \_\_\_\_\_ Title(s) \_\_\_\_\_  
  
☐ Guardian/Conservator  
☐ Partner - Limited/General  
☐ Trustee(s)  
☐ Other: \_\_\_\_\_

representing: \_\_\_\_\_  
Name(s) of Person(s) or Entity(ies) Signer is Representing

### Additional Information

#### Method of Signer Identification

Proved to me on the basis of satisfactory evidence:

☐ form(s) of identification ☐ credible witness(es)

Notarial event is detailed in notary journal on:

Page # \_\_\_\_\_ Entry # \_\_\_\_\_

Notary contact: \_\_\_\_\_

#### Other

☐ Additional Signer(s) ☐ Signer(s) Thumbprint(s)

☐ \_\_\_\_\_