

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5469486

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHARLES A. O'NEILL	04/08/2019
TODD M. OPPENEER	04/08/2019
JASON K. PINKSTAFF	03/23/2019
RECEIVING PARTY DATA	
Name:	BIOMARIN PHARMACEUTICAL INC.
Street Address:	105 DIGITAL DRIVE
City:	NOVATO
State/Country:	CALIFORNIA
Postal Code:	94949
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15779049
CORRESPONDENCE DATA	
Fax Number:	(415)257-2621
<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>	
Phone:	415-506-6709
Email:	rjagow@bmrn.com
Correspondent Name:	LUISA BIGORNIA
Address Line 1:	105 DIGITAL DRIVE
Address Line 4:	NOVATO, CALIFORNIA 94949
ATTORNEY DOCKET NUMBER:	30610/49583
NAME OF SUBMITTER:	RHODA JAGOW
SIGNATURE:	/rhj/
DATE SIGNED:	04/11/2019
Total Attachments: 9	
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ASSIGNMENT

Appl. No.: 15/779,049

Filed: May 24, 2018

Title: Use of C-Type Natriuretic Peptide Variants to Treat Osteoarthritis

For good and valuable consideration, the receipt and sufficiency of which are hereby agreed, Charles A. O'Neill, Todd M. Oppeneer, and Jason K. Pinkstaff ("Assignor") agrees to assign and hereby does assign to **BioMarin Pharmaceutical Inc.**, 105 Digital Drive, Novato, California 94949 ("Assignee") all rights, title, and interests in and to the inventions that are disclosed in the application listed above (the "Application") including, but without limitation, all rights:

- (i) in and to the Application and all other applications anywhere in the world that have been or may be filed on said inventions and/or naming Assignor as an inventor of said inventions,
- (ii) in and to all patents issuing on any of the foregoing,
- (iii) in and to all reissues, reexaminations, supplemental examinations, inter partes reviews, oppositions, post-grant reviews, supplementary protection certificates, and/or extensions of any of the foregoing,
- (iv) to bring suit, the right to claim and retain all damages and/or seek other remedies for the past, present, and future infringement and/or misappropriation of any of the foregoing, and
- (v) of priority including, but without limitation, the right to claim priority benefit of or to the Application and all of the foregoing.

Assignor requests the Commissioner for Patents in the United States and similar authorities outside the United States to issue said patents to and in the name of Assignee or its designee. Assignor authorizes the attorneys of record in the application to insert in this assignment the filing date and application number of the Application when officially known. Assignor:

(a) declares: (1) The application was made or authorized to be made by me, (2) I believe myself, as a named inventor, to be the original inventor or an original joint inventor of a claimed invention in the Application and I understand that any willful false statement made by me in this paragraph is punishable under 18 U.S.C. §1001 by fine or imprisonment of not more than five years, or both;

(b) warrants except in favor of Assignee: (1) Assignor is the owner of all its rights, title and interests herein assigned and has the right to make this unconditional and irrevocable assignment to Assignee without obtaining any approval or permission of a third party; and (2) there are no outstanding encumbrances, liens, prior assignments, licenses, or other obligations or restrictions on the rights, title and interests herein assigned; and

(c) agrees to execute, upon the request of Assignee or its designee at no expense to Assignor, all applications or documents related to the inventions including, but without limitation, any oath, declaration, or affidavit relating thereto that Assignee may deem necessary or expedient, and to fully cooperate with Assignee and/or its designee to perform all affirmative acts requested to prepare, file, prosecute, maintain, defend, enforce, and vest in Assignee the rights, title, and interests assigned herein whereby said rights, title and interests will be held and enjoyed by Assignee or its designee to the full end of the term for which the intellectual property rights herein may be available as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment had not been made.


Charles A. O'Neill

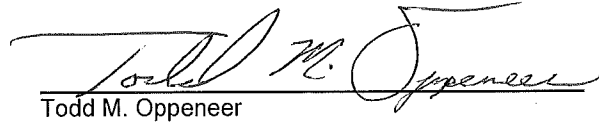
State of _____)
) ss.
County of _____)

On _____, before me, _____, personally
appeared Charles A. O'Neill, 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/she executed the same in his/her authorized capacity, and that by his/her
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.

See Attached Certificate


Todd M. Oppeneer

State of _____)
) ss.
County of _____)

On _____, before me, _____, personally
appeared Todd M. Oppeneer, 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/she executed the same in his/her authorized capacity, and that by his/her
signature on the instrument the person, or the entity upon behalf of which the person acted, executed
the instrument.

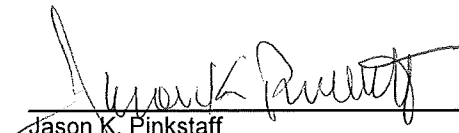
I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing
paragraph is true and correct.

WITNESS my hand and official seal.

See Attached Certificate

30610/49583/US

PATENT
REEL: 048858 FRAME: 0499



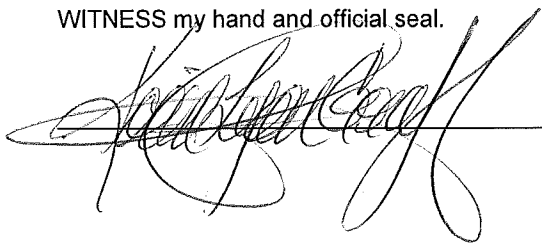
Jason K. Pinkstaff

State of CALIFORNIA)
) ss.
County of SAN DIEGO)

On 3/23/2019, before me, Karin Lyon Graff, Notary Public, personally
appeared Jason K. Pinkstaff, 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/she executed the same in his/her authorized capacity, and that by his/her
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.





On behalf of Assignee,

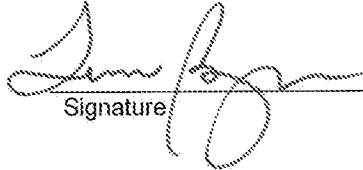
Luisa Bigornia

Name

VP, Intellectual Property

Title

hereby confirms Assignee's acceptance of all rights, privileges, title and interests conveyed by this assignment.



Signature

04/10/2014

Date

United States of America)

State of) ss.:

County of)

On this _____ day of _____, _____, before me personally came _____, to me known to be the individual described in and who executed the foregoing instrument, and acknowledged execution of the same.

Notary Public

See Attached Certificate

30610/49583/US

PATENT
REEL: 048858 FRAME: 0501

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

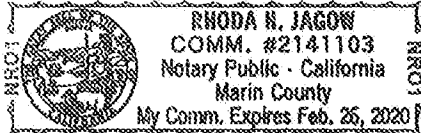
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
 County of Marin)
 On April 10, 2019 before me, Rhoda Jagow, Notary Public,
 Date Here Insert Name and Title of the Officer
 personally appeared Luisa Bigornia
 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 Rhoda Jagow
 Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended 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: _____	Signer's Name: _____
<input type="checkbox"/> Corporate Officer — Title(s): _____	<input type="checkbox"/> Corporate Officer — Title(s): _____
<input type="checkbox"/> Partner — <input type="checkbox"/> Limited <input type="checkbox"/> General	<input type="checkbox"/> Partner — <input type="checkbox"/> Limited <input type="checkbox"/> General
<input type="checkbox"/> Individual <input type="checkbox"/> Attorney in Fact	<input type="checkbox"/> Individual <input type="checkbox"/> Attorney in Fact
<input type="checkbox"/> Trustee <input type="checkbox"/> Guardian or Conservator	<input type="checkbox"/> Trustee <input type="checkbox"/> Guardian or Conservator
<input type="checkbox"/> Other: _____	<input type="checkbox"/> Other: _____
Signer Is Representing: _____	Signer Is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

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State of California)

County of Marin)

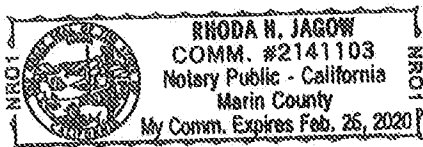
On April 8, 2019 before me, Rhoda Jagow, Notary Public,
Date Here Insert Name and Title of the Officer

personally appeared Charles A. O'Deill
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 Rhoda Jagow
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended 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): _____

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: _____

Signer Is Representing: _____

Signer's Name: _____

☐ Corporate Officer — Title(s): _____

☐ Partner — ☐ Limited ☐ General

☐ Individual ☐ Attorney in Fact

☐ Trustee ☐ Guardian or Conservator

☐ Other: _____

Signer Is Representing: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

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)

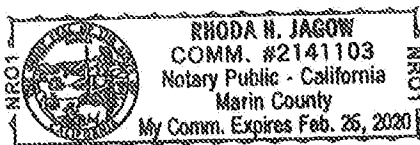
On April 8, 2019 before me, Rhoda Jagow Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Todd M. Oppeneer
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 Rhoda Jagow
Signature of Notary Public

Place Notary Seal Above

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Document Date: _____ Number of Pages: _____
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Capacity(ies) Claimed by Signer(s)

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____

Signer's Name: _____
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____
Signer Is Representing: _____