

## PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT8031534

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
ANNA ERICSSON	08/29/2018
NEAL GREEN	10/10/2018
GARY GUSTAFSON	10/17/2018
BINGSONG HAN	08/29/2018
DAVID R. LANCIA `JR.	08/29/2018
LORNA MITCHELL	10/04/2018
DAVID RICHARD	08/29/2018
TATIANA SHELEKHIN	09/04/2018
CHASE C. SMITH	10/01/2018
ZHONGGUO WANG	08/29/2018
XIAOZHANG ZHENG	08/29/2018

**RECEIVING PARTY DATA**

<b>Name:</b>	FORMA THERAPEUTICS, INC.
<b>Street Address:</b>	300 NORTH BEACON STREET, SUITE 501
<b>City:</b>	WATERTOWN
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02472

**PROPERTY NUMBERS Total: 1**

Property Type	Number
<b>Application Number:</b>	18124071

**CORRESPONDENCE DATA****Fax Number:**

*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.*

**Phone:** (734) 489-8004**Email:** docket-ra@btlaw.com**Correspondent Name:** JOSHUA E. NEY, PH.D.**Address Line 1:** BARNES & THORNBURG LLP**Address Line 2:** 555 12TH STREET, N.W., SUITE 1200**Address Line 4:** WASHINGTON, D.C. 20004-1275**PATENT**

<b>ATTORNEY DOCKET NUMBER:</b>	387674 (FOTH-010-07US)
<b>NAME OF SUBMITTER:</b>	JOSHUA E. NEY, PH.D.
<b>SIGNATURE:</b>	/Joshua E. Ney, PH.D./
<b>DATE SIGNED:</b>	06/28/2023

**Total Attachments: 18**

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**COMBINED JOINT ASSIGNMENT & DECLARATION**

**A. ASSIGNMENT**

WHEREAS, each of the below-named inventors whose name and residence is set forth in the following Table 1:

Inventor Name	City, State
1. Anna Ericsson	Shrewsbury, Massachusetts
2. Neal Green	Newton, Massachusetts
3. Gary Gustafson	Ridgefield, Connecticut
4. Bingsong Han	North Haven, Connecticut <i>Westwood, MA</i>
5. David R. Lancia, Jr.	Boston, Massachusetts
6. Lorna Mitchell	Watertown, Massachusetts
7. David Richard	<del>Watertown, Massachusetts</del> <i>Litchfield, MA</i>
8. Tatiana Shelekhin	Watertown, Massachusetts
9. Chase C. Smith	Rutland, Massachusetts
10. Zhongguo Wang	Lexington, Massachusetts
11. Xiaozhang Zheng	Lexington, Massachusetts

*DM  
02/20/18  
5/2/18  
HTR*

Table 1

hereby declares and agrees, on behalf of himself/herself and all of his/her successors and assigns that each is aware of the patent application(s) entitled:

**PYRROLOPYRROLE COMPOSITIONS AS PYRUVATE KINASE (PKR) ACTIVATORS; and**

prepared for filing in the United States Patent and Trademark Office; or

identified by United States Application No. \_\_\_\_\_ filed in the United States Patent and Trademark Office on \_\_\_\_\_; and

identified by International Patent Application No. PCT/US18/23405 filed on March 20, 2018; and

and is also aware of the following priority applications:

Application No.	Filed
62/473751	March 20, 2017

**COMBINED JOINT ASSIGNMENT & DECLARATION**

**A. ASSIGNMENT**

WHEREAS, each of the below-named inventors whose name and residence is set forth in the following Table 1:

Inventor Name	City, State
1. Anna Ericsson	Shrewsbury, Massachusetts
2. Neal Green	Newton, Massachusetts
3. Gary Gustafson	Ridgefield, Connecticut
4. Bingsong Han	North Haven, Connecticut
5. David R. Lancia, Jr.	Boston, Massachusetts
6. Lorna Mitchell	Watertown, Massachusetts West Beach, MA
7. David Richard	Watertown, Massachusetts
8. Tatiana Shelekhin	Watertown, Massachusetts
9. Chase C. Smith	Rutland, Massachusetts
10. Zhongguo Wang	Lexington, Massachusetts
11. Xiaozhang Zheng	Lexington, Massachusetts

RLM  
4 Oct  
2018

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**A. ASSIGNMENT**

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Inventor Name	City, State
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6. Lorna Mitchell	Watertown, Massachusetts
7. David Richard	Watertown, Massachusetts
8. Tatiana Shelekhin	<del>Watertown, Massachusetts</del> <i>Ridgefield, Connecticut</i>
9. Chase C. Smith	Rutland, Massachusetts
10. Zhongguo Wang	Lexington, Massachusetts
11. Xiaozhang Zheng	Lexington, Massachusetts

*TS*  
*9/4/8*

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identified by International Patent Application No. PCT/US18/23405  
filed on March 20, 2018; and

and is also aware of the following priority applications:

Application No.	Filed
62/473751	March 20, 2017

WHEREAS, **FORMA Therapeutics, Inc.** (hereinafter "ASSIGNEE"), having a usual place of business at **500 Arsenal Street, Suite 100, Watertown, Massachusetts 02472**, desires to acquire or confirm an interest therein;

NOW, THEREFORE, to all whom it may concern be it known that, in consideration of agreements previously and duly entered into between the parties, and/or for other good and valuable consideration, the receipt of which is hereby acknowledged, each of us has sold, assigned, and transferred and/or do hereby sell, assign, and transfer unto said ASSIGNEE, its successors, assigns, and legal representatives, my entire right, title, and interest in and throughout the United States of America, its territories and all foreign countries, in and to any and all inventions described in the patent application, and/or any priority applications noted above, including any right of priority thereto; and hereby confirm that my sale, assignment and transfer is and was effective at least as of the filing date of the patent application and/or priority application. Our sale, assignment and transfer applies to the above-referenced patent application, and to any application that is based in whole or in part on the patent application, including any divisional, continuing, substitute, renewal, reissue, reexamination and other applications, for example that claim priority to the patent application. Also, this sale, assignment and transfer pertains to any and all other rights arising under or pursuant to any and all international agreements, treaties, or laws relating to the protection of industrial property, including all rights of priority under the International Convention for the Protection of Industrial Property, and in and to any such patent(s) as may issue thereon including any and all original and reissued patents which have been or shall be issued in the United States and foreign countries; said inventions, applications, and patent(s) to be held and enjoyed by ASSIGNEE for its own use and for its successors, assigns and legal representatives, to the full end of the term for which said patent(s) may be granted as fully and entirely as the same would have been held by each of us had this sale, assignment and transfer not been made;

AND, each of us hereby acknowledges that this Assignment, being of our entire right, title, and interest in and to the inventions, carries with it the right in ASSIGNEE, by attorneys and agents of ASSIGNEE selection, to apply for and receive any and all patent(s) for said inventions in its own name;

AND, each of us hereby further agrees for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the patent(s) to ASSIGNEE, its successors, assignees, and legal representatives, but at its expense and charges, including the execution of application for patents in foreign countries, the execution of substitution, reissue, divisional or continuation applications, and the giving of testimony, preliminary statements, or other statements in any interference or other proceeding in which the inventions or any applications or patents directed to the inventions may be involved by communicating to the ASSIGNEE all facts we know relating to the inventions and their history, and generally by doing everything possible which ASSIGNEE shall consider desirable for aiding in securing and maintaining proper patent protection for the inventions and for vesting title in the inventions and all applications for patent and all patents on the inventions in ASSIGNEE;

AND, each of us further hereby authorizes ASSIGNEE or its attorneys or agents to insert the correct application number(s) and/or filing date(s) into this assignment document, if appropriate;

AND, each of us hereby appoints ASSIGNEE as our common agent for purposes of prosecuting international patent applications and any national patent applications for which such common agency is recognized;

AND, each of us hereby requests the Commissioner for Patents of the United States Patent and Trademark Office to issue any and all patent(s) as shall be granted upon said application or applications based thereon to ASSIGNEE, its successors, assigns, and legal representatives;

AND, each of us covenants with said ASSIGNEE that no assignment, grant, mortgage, license, or other agreement affecting the rights and property herein conveyed has been made to others by us, and that full right to convey the same as herein expressed is possessed by us.

**B. DECLARATION (37 CFR 1.63)**

As below named inventors, we hereby declare that:

This declaration is directed to the patent application entitled:

**PYRROLOPYRROLE COMPOSITIONS AS PYRUVATE KINASE (PKR)  
ACTIVATORS;** and

attached hereto or prepared for filing in the United States Patent and Trademark Office; or

identified by United States Application No. \_\_\_\_\_  
filed in the United States Patent and Trademark Office on \_\_\_\_\_; or

identified by International Patent Application No. PCT/US18/23405  
filed on March 20, 2018.


The above-identified application was made or authorized to be made by us.

We believe that we are each an original joint inventor of a claimed invention in the application.

We hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

We have reviewed and understand the contents of the application, including the claims and are aware of the duty to disclose to the United States Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR 1.56.



Signature:   
Anna Ericsson

Date: 08 29 18

Witness Signature: Z. G. Wang

Witness Name (printed): Zhongguo Wang

Witness Signature: Erica M. D'Amato

Witness Name (printed): Erica M. D'Amato

Signature: *Neal Green*  
Neal Green

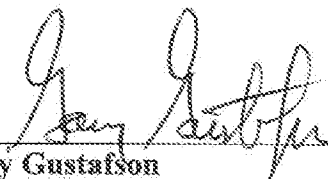
Date: 10/10/2018

Witness Signature: *Andrew J. Flint*

Witness Name (printed): Andrew J. Flint

Witness Signature: *Barbara Mroczkowska*

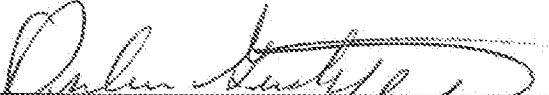
Witness Name (printed): Barbara Mroczkowska

Signature:   
Gary Gustafson

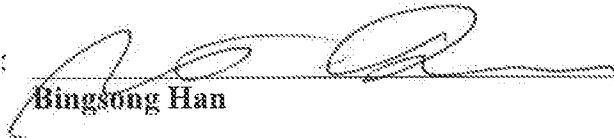
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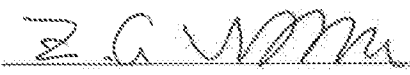
Witness Name (printed): Derek Gustafson

Witness Signature: 

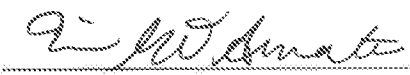
Witness Name (printed): Darlene Gustafson

Signature:   
Bingsong Han

Date: 08/29/2018

Witness Signature: 

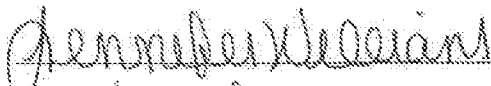
Witness Name (printed): Zhongguo Wang

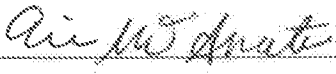
Witness Signature: 

Witness Name (printed): Erica M. D'Amato

Signature:   
David R. Lancia, Jr.

Date: 9/29/2018

Witness Signature:   
Witness Name (printed): Jennifer Williams

Witness Signature:   
Witness Name (printed): Erica M. D'Amato

Signature: L Mitchell  
**Lorna Mitchell**

Date: 10/4/18

Witness Signature: Bx Balata

Witness Name (printed): Belinda Valente

Witness Signature: [Signature]

Witness Name (printed): HAMISH TOOP

Signature: David Richard  
David Richard

Date: 8/29/18

Witness Signatures: [Signature]

Witness Name (printed): ANNA ERICSSON

Witness Signature: [Signature]

Witness Name (printed): ERICA M. D'AMATO

Signature: T Shelekhin  
Tatiana Shelekhin

Date: 9/4/18

Witness Signature: Alan Olay

Witness Name (printed): ALAN OLAGUE

Witness Signature: Jamie Michele Buske

Witness Name (printed): Jamie Michele Buske





Signature: Chase Smith  
Chase C. Smith

Date: 10/1/18

Witness Signature: Holly A. Baker  
Witness Name (printed): Holly A. Baker



HOLLY A. BAKER  
Notary Public  
Commonwealth of Massachusetts  
My Commission Expires  
July 25, 2019

Witness Signature: Carolyn Friel  
Witness Name (printed): Carolyn Friel

Signature: Z. G. WANG  
Zhongguo Wang


Date: 08/29/2018

Witness Signature: [Signature]

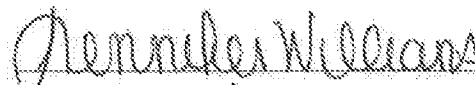
Witness Name (printed): Bingsong Han

Witness Signature: [Signature]

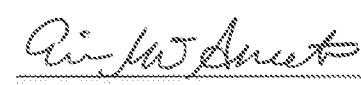
Witness Name (printed): ERICA M. D'AMATO

Signature:   
Xiaozhang Zheng

Date: 08/29/2018

Witness Signature: 

Witness Name (printed): Jennifer Williams

Witness Signature: 

Witness Name (printed): Erica M. D'Amato

The undersigned (whose title is supplied below) is authorized to act on behalf of  
**FORMA Therapeutics, Inc.**

Signature:  Date: 8.29.18

Name (printed): Christine P. Bellon

Title (printed): Senior Vice President