

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3740304

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ZHIQIANG YANG	07/08/2014
FENGQI ZHANG	06/21/2014
GUIZHEN DONG	06/26/2014
SANDRA LEE KNOWLES	06/26/2014
MILANA MALETIC	06/26/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MERCK SHARP & DOHME CORP.
<b>Street Address:</b>	126 EAST LINCOLN AVE
<b>Internal Address:</b>	RY86-2011A
<b>City:</b>	RAHWAY
<b>State/Country:</b>	NEW JERSEY
<b>Postal Code:</b>	07065
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14912233
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(732)594-4720
<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>	732-594-4488
<b>Email:</b>	us_efs@merck.com
<b>Correspondent Name:</b>	MERCK
<b>Address Line 1:</b>	P O BOX 2000
<b>Address Line 4:</b>	RAHWAY, NEW JERSEY 07065-0907
<b>ATTORNEY DOCKET NUMBER:</b>	23570-US-PCT
<b>NAME OF SUBMITTER:</b>	MICHELLE A. SISKI
<b>SIGNATURE:</b>	/Michelle A. Sisko/
<b>DATE SIGNED:</b>	02/16/2016
<b>Total Attachments: 4</b>	

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**WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

- (1) Zhiqiang Yang, located at Westfield, New Jersey,
- (2) Fengqi Zhang, located at Edison, New Jersey,
- (3) Guizhen Dong, located at Dayton, New Jersey,
- (4) Sandra Lee Knowles, located at Princeton, New Jersey,
- (5) Milana Maletic, located at Summit, New Jersey,

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

PREPARATION AND USE OF 7a-AMIDE SUBSTITUTED-6,6-DIFLUORO BICYCLIC HIMBACINE DERIVATIVES AS  
PAR-1 RECEPTOR ANTAGONISTS

and/or in the following application(s):

U.S. Provisional Application No. 61/868,609 filed on August 22, 2013;

U.S. Application No. \_\_\_\_\_ having a filing date of \_\_\_\_\_; and

PCT International Application No. \_\_\_\_\_ having a filing date of \_\_\_\_\_.

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, Merck Sharp & Dohme Corp., a corporation organized under the laws of the State of New Jersey, having an office at 126 East Lincoln Avenue, Rahway, New Jersey 07065, and its successors, assigns and legal representatives (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said **ASSIGNEE** my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

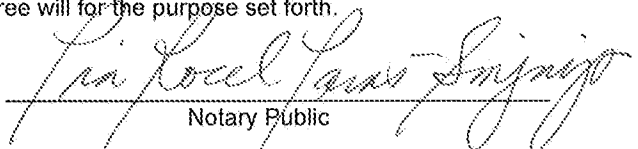
Executed this 8th day of July, 2014.  
Zhiqiang Yang

## ACKNOWLEDGEMENT


State of New Jersey  
County of Union ) s.s.:

On this 8th day of July, 2014, personally appeared before me **Zhiqiang Yang** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

  
Notary Public

PIA ROCEL S. PARAS-SANJURJO  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires September 14, 2017

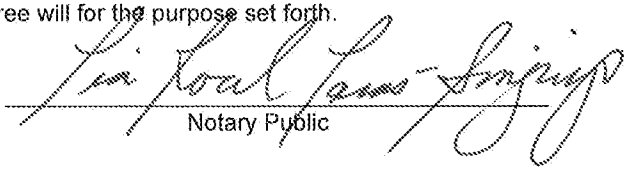
Executed this 26 day of June, 2014.  
Fengqi Zhang

## ACKNOWLEDGEMENT

State of New Jersey  
County of Union ) s.s.:

On this 26 day of June, 2014, personally appeared before me **Fengqi Zhang** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

  
Notary Public

PIA ROCEL S. PARAS-SANJURJO  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires September 14, 2017

Executed this 26 day of June, 2014

Guizhen Dong  
Guizhen Dong

ACKNOWLEDGEMENT

State of New Jersey, s.s.:  
County of Union

On this 26 day of June, 2014, personally appeared before me **Guizhen Dong** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Pia Rocel Paras-Sanjurjo  
Notary Public

PIA ROCEL S. PARAS-SANJURJO  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires September 14, 2017

Executed this 26 day of June, 2014.

Sandra Lee Knowles  
Sandra Lee Knowles

ACKNOWLEDGEMENT

State of New Jersey, s.s.:  
County of Union

On this 26 day of June, 2014, personally appeared before me **Sandra Lee Knowles** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Pia Rocel Paras-Sanjurjo  
Notary Public

PIA ROCEL S. PARAS-SANJURJO  
NOTARY PUBLIC OF NEW JERSEY  
My Commission Expires September 14, 2017

Executed this 26 day of June, 20 14.

Milana Maletic  
Milana Maletic

ACKNOWLEDGEMENT

State of New Jersey,  
County of Union, s.s.:

On this 26 day of June, 20 14, personally appeared before me **Milana Maletic** to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Pia Rocel Paras-Sanjurjo  
Notary Public

**PIA ROCEL S. PARAS-SANJURJO**  
**NOTARY PUBLIC OF NEW JERSEY**  
My Commission Expires September 14, 2017