## 504199549 01/27/2017

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4246225

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
WEIGUO LIU	07/16/2015
SCOTT D. EDMONDSON	07/16/2015
ZHUYAN GUO	07/16/2015
SUNG-SAU SO	07/16/2015
ANTHONY K. OGAWA	07/16/2015
RONGZE KUANG	07/16/2015
AMJAD ALI	07/20/2015
YING-DUO GAO	07/16/2015
HEPING WU	07/15/2015
YU JIANG	09/22/2016

### **RECEIVING PARTY DATA**

Name:	MERCK SHARP & DOHME CORP.
Street Address:	126 EAST LINCOLN AVENUE
Internal Address:	RY86-2011A
City:	RAHWAY
State/Country:	NEW JERSEY
Postal Code:	07065

### **PROPERTY NUMBERS Total: 1**

Property Type	Number
Application Number:	15329634

### CORRESPONDENCE DATA

**Fax Number:** (732)594-4720

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: 732-594-4488
Email: us efs@merck.com

Correspondent Name: MERCK
Address Line 1: P O BOX 2000

Address Line 4: RAHWAY, NEW JERSEY 07065-0907

PATENT REEL: 041100 FRAME: 0614

504199549

ATTORNEY DOCKET NUMBER:	23801-US-PCT	
NAME OF SUBMITTER:	MICHELLE A. SISKO	
SIGNATURE:	/Michelle A. Sisko/	
DATE SIGNED:	01/27/2017	
Total Attachments: 17		
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PATENT REEL: 041100 FRAME: 0615

### **WORLDWIDE ASSIGNMENT**

WHEREAS, I/WE,

(1) Weiguo Liu, located at Princeton, New Jersey,

(2) Scott D. Edmondson, located at Clark, New Jersey,

(3) Zhuyan Guo, located at Scotch Plains, New Jersey,

(4) Sung-Sau So, located at Verona, New Jersey,

(5) Anthony K. Ogawa, located at New Providence, New Jersey,(6) Rongze Kuang, located at Green Brook, New Jersey,

(7) Heping Wu, located at Edison, New Jersey,
 (8) Amjad Ali, located at Freehold, New Jersey,

(9) Ying-Duo Gao,(10) Yu Jiang,located at Holmdel, New Jersey,located at East Windsor, New Jersey,

(hereinafter ASSIGNOR(S)), together with Chunsing Li, located at Shanghai, China, and Tingting Yu, located at Shanghai, China, are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

#### Factor XIa Inhibitors

and in the following application(s):

U.S. Provisional Application No. 62/029	9,758 filed on July 28, 2014;	
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.

Computer Generated Template "Assignment-Merck Sharp & Dohme. Multiple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp. 07/09/2010

Executed this <u>lo</u> day of <u>Joly</u>	, 2015.
MAN	
Weiguó Lití	
ACKNOWLEDGEMENT	
State of New Jersey )	
County of Union ) s.s.:	
On this 16 day of July known by me to be the same person de he (she) executed the same, of his (her)	scribed in and who executed the foregoing instrument, and acknowledged that
(Seal)	Musalla Jan Jusko Notary Public
	MICHELLE ANN SISKO Notary Public of New Jersey My Commission Expires on October 24, 2017
Executed this 1/2 day of 5.44	, 2015.
Scott D. Edmondson	
ACKNOWLEDGEMENT	
State of New Jersey )	
County of Union ) s.s.:	
On this // day of // known, and known by me to be the sam acknowledged that he (she) executed the	, 2015, personally appeared before me <b>Scott D. Edmondson</b> to me person described in and who executed the foregoing instrument, and he same, of his (her) own free will for the purpose set forth.
(Seal)	Notary Public
	5.80m2.5878.5 ti. 8.848.8 @8@666

MICHELLE ANN SISKO Notary Public of New Jersey My Commission Expires on October 24, 2017

Executed this 1/2 day of Tuly	, 2015.
Zhuyan Guo	<b></b>
ACKNOWLEDGEMENT	
State of New Jersey )	
State of New Jersey ) ( ) s.s.: County of Union )	
	, 2015, personally appeared before me <b>Zhuyan Guo</b> to me known, scribed in and who executed the foregoing instrument, and acknowledged own free will for the purpose set forth.
(Seal)	Metalla Isla Notary Public
	MICHELLE ANN SISKO Notary Public of New Jersey My Commission Expires on October 24, 2017
Executed this <u>ho</u> day of <u>July</u> Sung-Sau So	, 2015.
ACKNOWLEDGEMENT	
State of New Jersey )	
) s.s.:  County of Union )	
On this // day of // and known by me to be the same person de that he (she) executed the same, of his (her)	, 2015, personally appeared before me <b>Sung-Sau So</b> to me known, scribed in and who executed the foregoing instrument, and acknowledged) own free will for the purpose set forth.
(Seal)	Madelle Que Jakon Notary Public
	MICHELLE ANN SISKO

Notary Public of New Jersey My Commission Expires on October 24, 2017

Executed this 1/2 day of July	, 2015.
AKG-	
Anthony K. Ogawa	
ACKNOWLEDGEMENT	
State of New Jersey ) s.s.:  County of Union )	
County of Union	
On this day of hown, and known by me to be the same persor	_, 2015, personally appeared before me <b>Anthony K. Ogawa</b> to me described in and who executed the foregoing instrument, and of his (her) own free will for the purpose set forth.
(Seal)	Moleculary Public
	Notary Public
	MICHELLE ANN SISKO Notary Public of New Jersey My Commission Expires on October 24, 2017
Executed this 11, day of July	, 2015.
& OL	
Rongze Kuang	
ACKNOWLEDGEMENT	
State of New Jersey ) s.s.:	
County of Union ) s.s.:  On this \( \) day of \( \) Tuly	
On this \( \) day of \( \) like \( \) and known by me to be the same person describing that he (she) executed the same, of his (her) ow	_, 2015, personally appeared before me <b>Rongze Kuang</b> to me known, bed in and who executed the foregoing instrument, and acknowledged in free will for the purpose set forth.
(Seal)	Motary Public

MICHELLE ANN SISKO Notary Public of New Jersey My Commission Expires on October 24, 2017

Executed thisday of	_, 2015.
Heping Wu	
ACKNOWLEDGEMENT	
State of New Jersey ) ) s.s.: County of Union )	
On this day of	_, 2015, personally appeared before me <b>Heping Wu</b> to me known, and in and who executed the foregoing instrument, and acknowledged that see will for the purpose set forth.
(Seal)	
	Notary Public
Executed this <u>\$0</u> day of <u>July</u> Amjad Ali	_, 2015.
ACKNOWLEDGEMENT	
State of New Jersey ) ) s.s.: County of Union )	
On this (b) day of all; known by me to be the same person described he (she) executed the same, of his (her) own from	, 2015, personally appeared before me <b>Amjad Ali</b> to me known, and in and who executed the foregoing instrument, and acknowledged that see will for the purpose set forth.
(Seal)	Moule Que Islo Notary Public

MICHELLE ANN SISKO Notary Public of New Jersey My Commission Expires on October 24, 2017

Executed this <u>le</u> day of	Tulij	, 2015.
Ying-Duo Gao		<del></del>
ACKNOWLEDGEMENT		
State of New Jersey )	s.s,:	
County of Union )	l a	
On this/(, day and known by me to be the	/ of <u>्रियाय</u> e same person describ	, 2015, personally appeared before me <b>Ying-Duo Gao</b> to me known, bed in and who executed the foregoing instrument, and acknowledged in free will for the purpose set forth.
(Seal)		Mes de an Julio
		Wotary Falpho
		MICHELLE ANN SISKO Notary Public of New Jersey My Commission Expires on October 24, 2017
Executed this day of		<u>,</u> 2015.
Yu Jiang		
ACKNOWLEDGEMENT		
State of New Jersey County of Union	)	
County of Union	)	
known by me to be the sai	me person described i	, 2015, personally appeared before me Yu Jiang to me known, and in and who executed the foregoing instrument, and acknowledged that see will for the purpose set forth.
(Seal)		
		Notary Public

#### WORLDWIDE ASSIGNMENT

#### WHEREAS, I/WE,

located at Princeton, New Jersey, (1) Weiguo Liu, (2) Scott D. Edmondson, located at Clark, New Jersey, (3) Zhuyan Guo, located at Scotch Plains, New Jersey, (4) Sung-Sau So, located at Verona, New Jersey, (5) Anthony K. Ogawa, located at New Providence, New Jersey, located at Green Brook, New Jersey, (6) Rongze Kuang, located at Edison, New Jersey, (7) Heping Wu, located at Freehold, New Jersey, (8) Amjad Ali, located at Holmdel, New Jersey, (9) Ying-Duo Gao, located at East Windsor, New Jersey, (10) Yu Jiang,

(hereinafter ASSIGNOR(S)), together with Chunsing Li, located at Shanghai, China, and Tingting Yu, located at Shanghai, China, are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

#### Factor XIa Inhibitors

and in the following application(s):

U.S. Provisional Application No. 62/029,75	58 filed on July 28, 2014;	
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.

Computer Generated Template "Assignment-Merck Sharp & Dohme. Multiple Assignees Worldwide" (Assignment) Merck Sharp & Dohme Corp. 07/09/2010

Executed this day of	, 2015.
Weiguo Liu	
ACKNOWLEDGEMENT	
State of New Jersey ) ) s.s.: County of Union )	
County of Union )	
On this day of known by me to be the same person describe he (she) executed the same, of his (her) own	, 2015, personally appeared before me <b>Weiguo Liu</b> to me known, and ed in and who executed the foregoing instrument, and acknowledged that a free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 2015.
Scott D. Edmondson	<u>.                                    </u>
ACKNOWLEDGEMENT	
State of New Jersey ) ) s.s.: County of Union )	
County of Union )	
known, and known by me to be the same pe	, 2015, personally appeared before me <b>Scott D. Edmondson</b> to me rson described in and who executed the foregoing instrument, and me, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public

Executed this day of	, 2015.
Zhuyan Guo	
ACKNOWLEDGEMENT	
State of New Jersey ) ) s.s.: County of Union	
County of Union )	
and known by me to be the same pe	, 2015, personally appeared before me <b>Zhuyan Guo</b> to me known, rson described in and who executed the foregoing instrument, and acknowledged his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 2015.
Sung-Sau So	
ACKNOWLEDGEMENT	
State of New Jersey )	
State of New Jersey ) s.s.:  County of Union )	
and known by me to be the same pe	, 2015, personally appeared before me <b>Sung-Sau So</b> to me known, erson described in and who executed the foregoing instrument, and acknowledged his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public

Executed this day of	, 2015.
Anthony K. Ogawa	
ACKNOWLEDGEMENT	
State of New Jersey )	
County of Union ) s.s.:	
known, and known by me to be the same pers	, 2015, personally appeared before me <b>Anthony K. Ogawa</b> to me on described in and who executed the foregoing instrument, and e, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 2015.
Rongze Kuang	
A CIVALCIAN ED CEMENT	
ACKNOWLEDGEMENT	
State of New Jersey ) ) s.s.:	
County of Union )	
On this day of and known by me to be the same person desc that he (she) executed the same, of his (her) of	, 2015, personally appeared before me <b>Rongze Kuang</b> to me known, ribed in and who executed the foregoing instrument, and acknowledged own free will for the purpose set forth.
(Seal)	
	Notary Public

Executed this 15 day of July	, 2015.
Heping Wu	
ACKNOWLEDGEMENT	
State of New Jersey ) ) s.s.: County of Union )	
On this day of known by me to be the same person described in the (she) executed the same, of his (her) own free	_ , 2015, personally appeared before me <b>Heping Wu</b> to me known, and n and who executed the foregoing instrument, and acknowledged that e will for the purpose set forth.
(Seal)	John and Sieko

MICHELLE ANN SISKO Notary Public of New Jersey My Commission Expires on October 24, 2017

Executed this day	of	, 2015.
Ying-Duo Gao		
ACKNOWLEDGEMEN	т	
State of New Jersey	) ) s.s.: )	
County of Union	)	
On this and known by me to be that he (she) executed	the same person desc	, 2015, personally appeared before me <b>Ying-Duo Gao</b> to me known ribed in and who executed the foregoing instrument, and acknowledged wn free will for the purpose set forth.
(Seal)		
		Notary Public
Executed this day	of	, 2015.
Yu Jiang	A DESCRIPTION OF THE PROPERTY	<del></del>
ACKNOWLEDGEMEN	Т	
State of New Jersey	)	
County of Union	) ) s.s.: )	
known by me to be the	same person described	, 2015, personally appeared before me <b>Yu Jiang</b> to me known, and d in and who executed the foregoing instrument, and acknowledged that ree will for the purpose set forth.
(Seal)		
		Notary Public

#### WORLDWIDE ASSIGNMENT

	WHEREAS, I/WE,	
(1)	Weiguo Liu,	located at Princeton, New Jersey,
(2)	Scott D. Edmondson,	located at Clark, New Jersey,
(3)	Zhuyan Guo,	located at Scotch Plains, New Jersey,
(4)	Sung-Sau So,	located at Verona, New Jersey,
(5)	Anthony K. Ogawa,	located at New Providence, New Jersey,
(6)	Rongze Kuang,	located at Greenbrook, New Jersey,
/7\	Hening Wu	located at Edison, New Jersey

(8) Amjad Ali, located at Freehold, New Jersey,
(9) Ying-Duo Gao, located at Holmdel, New Jersey,
(10) Yu Jiang, located at East Windsor, 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:

Factor XIa Inhibitors

and/or in the following application(s):

U.S. Provisional Application No. 62/029,75	58 filed on 7-28-2014;	
U.S. Application No.	having a filing date of	; and
PCT International Application No.	having a filing d	ate 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.

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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.

Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

PATENT REEL: 041100 FRAME: 0628

Executed this day of	_, 2015.
Weiguo Liu	
ACKNOWLEDGEMENT	
State of New Jersey ) ) s.s.:	
County of Union )	
On this day of known by me to be the same person described (she) executed the same, of his (her) own free	, 2015, personally appeared before me <b>Weiguo Liu</b> to me known, and in and who executed the foregoing instrument, and acknowledged that he will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	_, 2015.
Scott D. Edmondson	
ACKNOWLEDGEMENT	
State of New Jersey ) ) s.s.: County of Union )	
County of Union )	
On this day of known, and known by me to be the same person	, 2015, personally appeared before me <b>Scott D. Edmondson</b> to me on described in and who executed the foregoing instrument, and e, of his (her) own free will for the purpose set forth.
(Seal)	
	Notary Public

Executed this day of	, 2015.
Zhuyan Guo	
ACKNOWLEDGEMENT	
State of New Jersey ) ) s.s.: County of Union )	
On this day of known by me to be the same person descri (she) executed the same, of his (her) own to	, 2015, personally appeared before me <b>Zhuyan Guo</b> to me known, and ibed in and who executed the foregoing instrument, and acknowledged that he free will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 2015.
Sung-Sau So	
ACKNOWLEDGEMENT	
State of New Jersey )	
State of New Jersey ) s.s.:  County of Union )	
On this day of known by me to be the same person descr (she) executed the same, of his (her) own	, 2015, personally appeared before me <b>Sung-Sau So</b> to me known, and ribed in and who executed the foregoing instrument, and acknowledged that he free will for the purpose set forth.
(Seal)	
	Notary Public

Executed this day of	, 2015.
Anthony K. Ogawa	
ACKNOWLEDGEMENT	
State of New Jersey ) ) s.s.: County of Union )	
On this day of and known by me to be the same person describ he (she) executed the same, of his (her) own fre	_ , 2015, personally appeared before me <b>Anthony K. Ogawa</b> to me known, bed in and who executed the foregoing instrument, and acknowledged that e will for the purpose set forth.
(Seal)	
	Notary Public
Executed this day of	, 2015.
Rongze Kuang	
ACKNOWLEDGEMENT	
State of New Jersey ) ) s.s.: County of Union )	
On this day of known by me to be the same person described (she) executed the same, of his (her) own free v	_ , 2015, personally appeared before me <b>Rongze Kuang</b> to me known, and in and who executed the foregoing instrument, and acknowledged that he will for the purpose set forth.
(Seal)	
	Notary Public

Executed this day of, 2016.	
Heping Wu	
ACKNOWLEDGEMENT	:
State of New Jersey ) ) s.s.:	
County of Union )	
On this day of , 2016, pe known by me to be the same person described in and who e (she) executed the same, of his (her) own free will for the pu	rsonally appeared before me <b>Heping Wu</b> to me known, and executed the foregoing instrument, and acknowledged that he irpose set forth.
(Seal)	
	Notary Public
Executed this 22 day of Sentular, 2016.  Yu Jiang	
ACKNOWLEDGEMENT	
On this day of, 2010 known by me to be the same person described in and who e (she) executed the same, of his (her) own free will for the pu	6, personally appeared before me <b>Yu Jiang</b> to me known, and executed the foregoing instrument, and acknowledged that he urpose set forth.
Witness 1:	6 71/3 XB
Zhang Wenjuan 3620	Signature
Witness 2:	, 对此类,
<u>Chen Xiaogin                                    </u>	か <u>ッ多 M Signature</u> Signature

Page 5 of 5
Computer Generated Template "Assignment-Merck Sharp & Dohme. Single Assignee Worldwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

PATENT REEL: 041100 FRAME: 0632

**RECORDED: 01/27/2017**