

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5168849

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ADAM K. CHARNLEY	03/15/2017
XIAOYANG DONG	03/15/2017
JASON W. DODSON	03/15/2017
JOSHI M. RAMANJULU	03/15/2017
MICHAEL G. DARCY	03/15/2017
JIANXING KANG	03/15/2017
LARA K LEISTER	03/16/2017
NEYSA NEVINS	03/17/2017
TERRY V. HUGHES	03/23/2017
JOHN F. MEHLMANN	03/15/2017
JOSEPH J. ROMANO	03/15/2017
YIQIAN LIAN	03/15/2017
YUE LI	03/16/2017
GREN Z. WANG	03/16/2017
GUOSEN YE	03/15/2017
DAOHUA ZHANG	03/15/2017

RECEIVING PARTY DATA

Name:	GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED
Street Address:	980 GREAT WEST ROAD
City:	BRENTFORD, MIDDLESEX
State/Country:	UNITED KINGDOM
Postal Code:	TW8 9GS

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15730664

CORRESPONDENCE DATA

Fax Number: (610)917-6934

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

PATENT

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 6109177817
Email: US_cipkop@gsk.com
Correspondent Name: GLAXOSMITHKLINE GLOBAL PATENTS
Address Line 1: 1250 SOUTH COLLEGEVILLE ROAD
Address Line 2: UP4110
Address Line 4: COLLEGEVILLE, PENNSYLVANIA 19426

ATTORNEY DOCKET NUMBER:	PU66085T
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NAME OF SUBMITTER:	MINDY L. SMITH
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SIGNATURE:	/Mindy L. Smith/
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DATE SIGNED:	10/02/2018
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Total Attachments: 9

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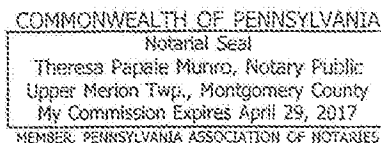
NOTARIAL CERTIFICATION

I, Theresa Papale Munro, a Notary Public commissioned in the Commonwealth of Pennsylvania, County of Montgomery, do hereby certify that annexed hereto is a true and correct copy of the executed assignment pursuant to International Application No. PCT/IB2017/051945 filed April 5, 2017, entitled: "HETEROCYCLIC AMIDES USEFUL AS PROTEIN MODULATORS," which claim priority to applications: US 62/461975 filed February 22, 2017; US 62/461301 filed February 21, 2017; and 62/319358 filed April 7, 2016.

Date: 11 April 2017



Upper Merion Twp., Montgomery County
My Commission Expires April 29, 2017



ASSIGNMENT

WHEREAS I/WE, Adam K. Charnley, Xiaoyang Dong, Jason W. Dodson, Joshi M. Ramanjulu, Michael G. Darcy, Jianxing Kang, Lara K. Leister, Neysa Nevins, John F. Mehlmann, Joseph J. Romano, Gren Z. Wang; and Guosen Ye, all of Collegeville, Pennsylvania, United States of America, all citizens of United States of America, Terry V. Hughes, of Blue Bell, Pennsylvania, a citizen of the United States of America, Yiqian Lian, Yue Li and Daohua Zhang, of Collegeville, Pennsylvania, United States of America, citizens of P.R. China; (hereinafter called "the inventor(s)") have invented or discovered certain improvements in "HETEROCYCLIC AMIDES USEFUL AS PROTEIN MODULATORS" (hereinafter referred to as "the invention and improvements") for which priority applications US 62/461975 was filed on 22 February 2017, US 62/461301 was filed on 21 February 2017; and US 62/319358 was filed on 07 April 2016, in the United States of America, and for which a PCT international application is now being filed. I/We hereby authorize and request that the filing date and application number of said PCT application, when known be inserted in parentheses below.

(PCT/IB2017/ 051945 filed 05 April 2017)

WHEREAS, GLAXOSMITHKLINE LLC, a company incorporated in the State of Delaware, USA, whose registered address is 2711 Centerville Road, Suite 400, Wilmington, Delaware 19808, United States of America, is desirous of acquiring the whole right, title and interest in and to said invention and improvements, and in and to any applications for said invention and improvements, including the right to claim priority, and in and to and any Letters Patent to be obtained therefor, in all countries, including the United States, its territories and possessions, and

WHEREAS GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED, a company incorporated in England whose registered address is 980 Great West Road, Brentford, Middlesex TW8 9GS, England, is desirous of acquiring from GLAXOSMITHKLINE LLC the whole right, title and interest in and to the invention and improvements and in and to the application, and

WHEREAS GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED a company incorporated in England whose registered address is 980 Great West Road, Brentford, Middlesex TW8 9GS, England, is desirous of acquiring the whole right, title and interest in and to the invention and improvements and in and to any applications for the invention and improvements and any Letters Patent to be obtained therefor, in all countries, including the United States of America, its territories and possessions;

NOW, THEREFORE, to all whom it may concern, be it known that I/we, the inventors, for good and valuable consideration unto me/us moving, the receipt whereof is hereby acknowledged, have sold, assigned

and transferred, and by these presents do sell, assign and transfer my/our whole right, title and interest in and to said invention and improvements to said GLAXOSMITHKLINE LLC, throughout the United States of America, its territories and possessions, and in and to said application, and any extensions, reissues, continuations, continuations-in-part, and any divisions thereof, and in and to any and all Letters Patent of the United States of America, including any priority rights under the International Convention

AND, my/our whole right, title and interest in and to said invention and improvements to GLAXOSMITHKLINE LLC, in all other countries throughout the world, and in and to any applications in said other countries, and continuations-in-part, patents of addition, revalidation patents, patents of importation, registrations, and any renewals, extensions and divisions thereof, and in and to any and all Letters Patent of said all other countries which may be granted on said invention and improvements including any priority rights under the International Convention.

GLAXOSMITHKLINE LLC in turn hereby assigns and transfers to GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED its whole right, title and interest in all countries, including the United States of America, its territories and possessions in and to the invention and improvements and in and to the application including the right to claim priority from the application in respect of any subsequent applications, and in and to any divisional application, continuation or continuation in part application thereof, and in and to any Supplementary Protection Certificate, extension or re-issue thereof, and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED in turn hereby assigns and transfers to GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED its whole right, title and interest in all countries, including the United States of America, its territories and possessions in and to the invention and improvements and in and to the application including the right to claim priority from the application in respect of any subsequent applications, and in and to any divisional application, continuation or continuation in part application thereof, and in and to any Supplementary Protection Certificate, extension or re-issue thereof

AND I/we the inventor(s) and GLAXOSMITHKLINE LLC and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED hereby authorise and request any patent arising therefrom, in all countries, including the United States of America, its territories and possessions, be issued to GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED;

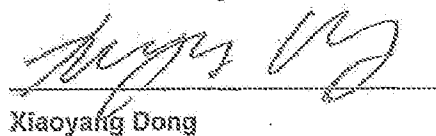
AND GLAXOSMITHKLINE SERVICES UNLIMITED and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED hereby, and I/we the inventor(s) for myself/ourselves and my/our respective executors and legal representatives hereby, agree at the request and cost of GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED to provide information and make execute and deliver any and all other instruments in writing, and any and all further acts, applications, papers, affidavits, assignments and other documents which may be possible and are necessary or desirable to more effectually

secure to and vest in GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, its successors and assigns, the whole right, title and interest in and to the invention and improvements and in and to the application hereby assigned and transferred in all countries, including the United States of America, its territories and possessions.

IN WITNESS whereof and with effect from the 07 April 2018, the Inventor(s) and the Attorney & Authorised Official of GLAXOSMITHKLINE LLC and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED and GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED have hereunto set their respective hands.


Adam K. Charnley

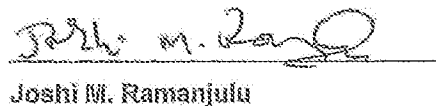
Date: 3/15/2017


Xiaoyang Dong

Date: 3/15/2017

Jason W. Dodson

Date: _____


Joshi M. Ramanjulu

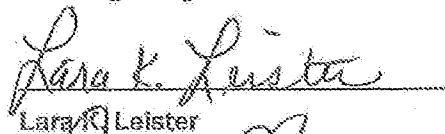
Date: 3/15/2017

Michael G. Darcy

Date: _____


Jianxing Kang

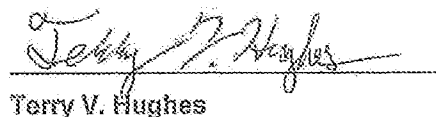
Date: 3/15/2017


Lara K. Leister

Date: 3-16-2017


Neysa Nevins

Date: 3-17-2017


Terry V. Hughes

Date: 3-23-2017



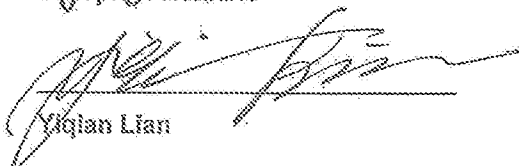
 John F. Mehlmann

Date: 3-15-17



 Joseph J. Romano

Date: 3-15-17

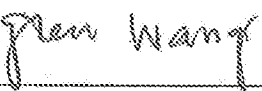


 Yiqian Lian

Date: 3/15/2017

 Yue Li

Date: _____




 Gren Z. Wang

Date: 3/16/2017

 Guosen Ye

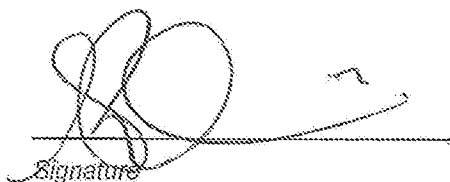
Date: _____



 Daohua Zhang

Date: 3/15/2017

SIGNED by EDWARD R. GILMI as the Attorney & Authorised Official of
 GLAXOSMITHKLINE LLC and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED and
 GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED:



 Signature

Date: 3/27/2017

ASSIGNMENT

WHEREAS I/WE, Adam K. Charnley, Xiaoyang Dong, Jason W. Dodson, Joshi M. Ramanjulu, Michael G. Darcy, Jianxing Kang, Lara K. Leister, Neysa Nevins, John F. Mehlmann, Joseph J. Romano, Gren Z. Wang; and Guosen Ye, all of Collegeville, Pennsylvania, United States of America, all citizens of United States of America, Terry V. Hughes, of Blue Bell, Pennsylvania, a citizen of the United States of America, Yigian Lian, Yue Li and Daohua Zhang, of Collegeville, Pennsylvania, United States of America, citizens of P.R. China; (hereinafter called "the inventor(s)") have invented or discovered certain improvements in "HETEROCYCLIC AMIDES USEFUL AS PROTEIN MODULATORS" (hereinafter referred to as "the invention and improvements") for which priority applications US 62/451975 was filed on 22 February 2017, US 62/451301 was filed on 21 February 2017; and US 62/319358 was filed on 07 April 2016, in the United States of America, and for which a PCT international application is now being filed. I/We hereby authorize and request that the filing date and application number of said PCT application, when known be inserted in parentheses below.

(PCT/IB2017/ 051945 filed 05 April 2017)

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WHEREAS GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED, a company incorporated in England whose registered address is 980 Great West Road, Brentford, Middlesex TW8 9GS, England, is desirous of acquiring from GLAXOSMITHKLINE LLC the whole right, title and interest in and to the invention and improvements and in and to the application, and

WHEREAS GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED a company incorporated in England whose registered address is 980 Great West Road, Brentford, Middlesex TW8 9GS, England, is desirous of acquiring the whole right, title and interest in and to the invention and improvements and in and to any applications for the invention and improvements and any Letters Patent to be obtained therefor, in all countries, including the United States of America, its territories and possessions;

NOW, THEREFORE, to all whom it may concern, be it known that I/we, the inventors, for good and valuable consideration unto me/us moving, the receipt whereof is hereby acknowledged, have sold, assigned

and transferred, and by these presents do sell, assign and transfer my/our whole right, title and interest in and to said invention and improvements to said GLAXOSMITHKLINE LLC, throughout the United States of America, its territories and possessions, and in and to said application, and any extensions, reissues, continuations, continuations-in-part, and any divisions thereof, and in and to any and all Letters Patent of the United States of America, including any priority rights under the International Convention

AND, my/our whole right, title and interest in and to said invention and improvements to GLAXOSMITHKLINE LLC, in all other countries throughout the world, and in and to any applications in said other countries, and continuations-in-part, patents of addition, revalidation patents, patents of importation, registrations, and any renewals, extensions and divisions thereof, and in and to any and all Letters Patent of said all other countries which may be granted on said invention and improvements including any priority rights under the International Convention.

GLAXOSMITHKLINE LLC in turn hereby assigns and transfers to GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED its whole right, title and interest in all countries, including the United States of America, its territories and possessions in and to the invention and improvements and in and to the application including the right to claim priority from the application in respect of any subsequent applications, and in and to any divisional application, continuation or continuation in part application thereof, and in and to any Supplementary Protection Certificate, extension or re-issue thereof, and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED in turn hereby assigns and transfers to GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED its whole right, title and interest in all countries, including the United States of America, its territories and possessions in and to the invention and improvements and in and to the application including the right to claim priority from the application in respect of any subsequent applications, and in and to any divisional application, continuation or continuation in part application thereof, and in and to any Supplementary Protection Certificate, extension or re-issue thereof

AND I/we the inventor(s) and GLAXOSMITHKLINE LLC and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED hereby authorise and request any patent arising therefrom, in all countries, including the United States of America, its territories and possessions, be issued to GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED;

AND GLAXOSMITHKLINE SERVICES UNLIMITED and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED hereby, and I/we the inventor(s) for myself/ourselves and my/our respective executors and legal representatives hereby, agree at the request and cost of GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED to provide information and make execute and deliver any and all other instruments in writing, and any and all further acts, applications, papers, affidavits, assignments and other documents which may be possible and are necessary or desirable to more effectually

secure to and vest in GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED, its successors and assigns, the whole right, title and interest in and to the invention and improvements and in and to the application hereby assigned and transferred in all countries, including the United States of America, its territories and possessions.

IN WITNESS whereof and with effect from the 07 April 2016, the inventor(s) and the Attorney & Authorised Official of GLAXOSMITHKLINE LLC and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED and GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED have hereunto set their respective hands,

Adam K. Charnley

Date: _____

Xiaoyang Dong

Date: _____


Jason W. Dodson

Date: 15 MARCH 2017

Joshi M. Ramanjulu

Date: _____


Michael G. Darcy

Date: 15 March 2017

Jianxing Kang

Date: _____

Lara K. Leister

Date: _____

Neysa Nevins

Date: _____

Terry V. Hughes

Date: _____

John F. Mehlmann

Date: _____

Joseph J. Romano

Date: _____

Yiqian Lian

Date: _____



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Date: 03/16/17

Gren Z. Wang

Date: _____



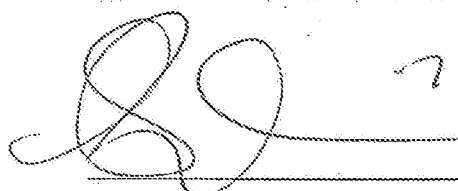
Guosen Ye

Date: 03/15/2017

Daohua Zhang

Date: _____

SIGNED by EDWARD R. SIMONE as the Attorney & Authorised Official of
GLAXOSMITHKLINE LLC and GLAXOSMITHKLINE RESEARCH AND DEVELOPMENT LIMITED and
GLAXOSMITHKLINE INTELLECTUAL PROPERTY DEVELOPMENT LIMITED:



Signature

Date: 3/27/2017