

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4870679

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	MATTHEW O. DUFFEY	03/25/2016
	DYLAN B. ENGLAND	03/28/2016
	BRIAN SCOTT FREEZE	03/28/2016
	ZHIGEN HU	03/28/2016
	STEVEN P. LANGSTON	03/28/2016
	CHARLES J. MCINTYRE	03/29/2016
	HIROTAKE MIZUTANI	03/28/2016
	HE XU	03/28/2016
RECEIVING PARTY DATA		
Name:	MILLENNIUM PHARMACEUTICALS, INC.	
Street Address:	40 LANDSDOWNE STREET	
City:	CAMBRIDGE	
State/Country:	MASSACHUSETTS	
Postal Code:	02139	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	15923015
CORRESPONDENCE DATA		
Fax Number:		
<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:	202-371-2600	
Email:	jmccoy@skgf.com, ttopssecretary2@skgf.com	
Correspondent Name:	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.	
Address Line 1:	1100 NEW YORK AVENUE NW	
Address Line 4:	WASHINGTON, D.C. 20005	
ATTORNEY DOCKET NUMBER:	3817.0310004	
NAME OF SUBMITTER:	JOSHUA G. MCCOY , REG. NO. 70307	
SIGNATURE:	/Joshua McCoy/	

DATE SIGNED:	03/16/2018
Total Attachments: 18 source=[3817.0310004] Assignment Inventors to Millennium#page1.tif source=[3817.0310004] Assignment Inventors to Millennium#page2.tif source=[3817.0310004] Assignment Inventors to Millennium#page3.tif source=[3817.0310004] Assignment Inventors to Millennium#page4.tif source=[3817.0310004] Assignment Inventors to Millennium#page5.tif source=[3817.0310004] Assignment Inventors to Millennium#page6.tif source=[3817.0310004] Assignment Inventors to Millennium#page7.tif source=[3817.0310004] Assignment Inventors to Millennium#page8.tif source=[3817.0310004] Assignment Inventors to Millennium#page9.tif source=[3817.0310004] Assignment Inventors to Millennium#page10.tif source=[3817.0310004] Assignment Inventors to Millennium#page11.tif source=[3817.0310004] Assignment Inventors to Millennium#page12.tif source=[3817.0310004] Assignment Inventors to Millennium#page13.tif source=[3817.0310004] Assignment Inventors to Millennium#page14.tif source=[3817.0310004] Assignment Inventors to Millennium#page15.tif source=[3817.0310004] Assignment Inventors to Millennium#page16.tif source=[3817.0310004] Assignment Inventors to Millennium#page17.tif source=[3817.0310004] Assignment Inventors to Millennium#page18.tif	

ASSIGNMENT

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as Assignor(s)), of an invention entitled:

HETEROARYL COMPOUNDS USEFUL AS INHIBITORS OF SUMO ACTIVATING ENZYME

as disclosed and claimed in United States Application No. 14/788,675, filed June 30, 2015 (Confirmation No. 5618) and/or PCT International Application No. PCT/US15/38712, filed June 30, 2015 and;

WHEREAS, **Millennium Pharmaceuticals, Inc.**, a corporation of **Delaware** whose post office address is **40 Landsdowne Street, Cambridge, MA 02139** (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to all applications for patents on this invention in all countries throughout the world, including any PCT International Application and all national stage applications based thereon that may be filed, and all patents issued upon such applications in all countries throughout the world;

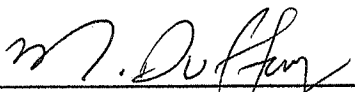
NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, the above-referenced applications that disclose and claim this invention, any PCT International Application and all national stage applications based thereon that may be filed, any other applications for patents filed anywhere in the world that claim this invention, and all divisions, and continuations of any such application, and all patents which may be granted thereon, and all reissues thereof, and all rights to claim priority in any country on the basis of any such applications, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

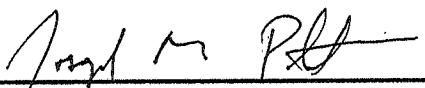
AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys empowered in the Power of Attorney in this application, to insert the filing date and application number of the above-referenced application(s) when known.

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 25th day of March, 2016.



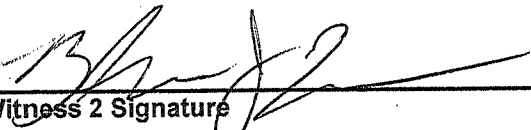
Signature of Inventor **Matthew O. DUFFEY**
5050 S. Lake Shore Drive, #2717
Chicago, IL 60615



Witness 1 Signature
Joseph M. Pletcher

Witness 1 (Typed or Handwritten) Name
180 N Stetson Ave, Chicago IL 60601

Witness 1 Address



Witness 2 Signature
BLAINE BROWN

Witness 2 (Typed or Handwritten) Name
2138 S INDIANA AVE APT 1507 CHICAGO, IL 60614

Witness 2 Address

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2016.

Signature of Inventor **Dylan B. ENGLAND**
9 Wayne Road
Milford, MA 01757

Witness 1 Signature

Witness 1 (Typed or Handwritten) Name

Witness 1 Address

Witness 2 Signature

Witness 2 (Typed or Handwritten) Name

Witness 2 Address

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2016.

Signature of Inventor **Brian Scott FREEZE**
67 Gates St., Unit 1
Boston, MA 02127

Witness 1 Signature

Witness 1 (Typed or Handwritten) Name

Witness 1 Address

Witness 2 Signature

Witness 2 (Typed or Handwritten) Name

Witness 2 Address

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2016.

Signature of Inventor **Zhigen HU**
42 Truman Road
Newton Center, MA 02459

Witness 1 Signature

Witness 1 (Typed or Handwritten) Name

Witness 1 Address

Witness 2 Signature

Witness 2 (Typed or Handwritten) Name

Witness 2 Address

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2016.

Signature of Inventor **Steven P. LANGSTON**
164 Mill Road
North Andover, MA 01845

Witness 1 Signature

Witness 1 (Typed or Handwritten) Name

Witness 1 Address

Witness 2 Signature

Witness 2 (Typed or Handwritten) Name

Witness 2 Address

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2016.

Signature of Inventor **Charles J. MCINTYRE**
230 Brookline Street, Apt. 1
Cambridge, MA 02139

Witness 1 Signature

Witness 1 (Typed or Handwritten) Name

Witness 1 Address

Witness 2 Signature

Witness 2 (Typed or Handwritten) Name

Witness 2 Address

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2016.

Signature of Inventor **Hirotake MIZUTANI**
264 Massachusetts Ave., #209
Arlington, MA 02474

Witness 1 Signature

Witness 1 (Typed or Handwritten) Name

Witness 1 Address

Witness 2 Signature

Witness 2 (Typed or Handwritten) Name

Witness 2 Address

IN WITNESS WHEREOF, I have hereunto set my hand and seal this _____ day of _____, 2016.

Signature of Inventor He XU
43 Glover Road
Needham, MA 02494

Witness 1 Signature

Witness 1 (Typed or Handwritten) Name

Witness 1 Address

Witness 2 Signature

Witness 2 (Typed or Handwritten) Name

Witness 2 Address

Assignee Name: Millennium Pharmaceuticals, Inc.

Signature: 

Printed Name: Karoline K.M. Shair

Corporate Title: VP, IP Resion Head

Date: April 4, 2016

ASSIGNMENT

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as Assignor(s)), of an invention entitled:

HETEROARYL COMPOUNDS USEFUL AS INHIBITORS OF SUMO ACTIVATING ENZYME

as disclosed and claimed in United States Application No. 14/788,675, filed June 30, 2015 (Confirmation No. 5618) and/or PCT International Application No. PCT/US15/38712, filed June 30, 2015 and;

WHEREAS, **Millennium Pharmaceuticals, Inc.**, a corporation of **Delaware** whose post office address is **40 Landsdowne Street, Cambridge, MA 02139** (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to all applications for patents on this invention in all countries throughout the world, including any PCT International Application and all national stage applications based thereon that may be filed, and all patents issued upon such applications in all countries throughout the world;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, the above-referenced applications that disclose and claim this invention, any PCT International Application and all national stage applications based thereon that may be filed, any other applications for patents filed anywhere in the world that claim this invention, and all divisions, and continuations of any such application, and all patents which may be granted thereon, and all reissues thereof, and all rights to claim priority in any country on the basis of any such applications, and all extensions, renewals, and reissues thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

AND, I/WE HEREBY authorize and request the attorneys empowered in the Power of Attorney in this application, to insert the filing date and application number of the above-referenced application(s) when known.

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Signature of Inventor **Matthew O. DUFFEY**
5050 S. Lake Shore Drive, #2717
Chicago, IL 60615

Witness 1 Signature

Witness 1 (Typed or Handwritten) Name

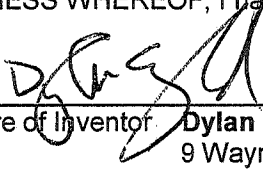
Witness 1 Address

Witness 2 Signature

Witness 2 (Typed or Handwritten) Name

Witness 2 Address

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 28 day of March, 2016.



Signature of Inventor **Dylan B. ENGLAND**
9 Wayne Road
Milford, MA 01757



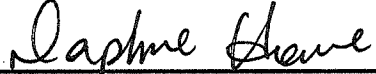
Witness 1 Signature

ANN SHERRY

Witness 1 (Typed or Handwritten) Name

46 HURON CIRCLE DORCHESTER, MA 02124

Witness 1 Address



Witness 2 Signature


DAPHNE HOWE

Witness 2 (Typed or Handwritten) Name


37 Fernandez Circle, Randolph, MA 02368

Witness 2 Address

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 28th day of March, 2016.



Signature of Inventor **Brian Scott FREEZE**
67 Gates St., Unit 1
Boston, MA 02127



Witness 1 Signature

ANN SHERRY

Witness 1 (Typed or Handwritten) Name

46 HURON CIRCLE, DORCHESTER MA 02124

Witness 1 Address



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DAPHNE HOWE

Witness 2 (Typed or Handwritten) Name

37 Fernandez Circle, Randolph, MA 02368

Witness 2 Address

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 28 day of Mar, 2016.



Signature of Inventor

Zhigen HU
42 Truman Road
Newton Center, MA 02459



Witness 1 Signature

ANN SHERRY

Witness 1 (Typed or Handwritten) Name

46 HURON CIRCLE, DORCHESTER MA 02124

Witness 1 Address



Witness 2 Signature


DAPHNE HOWE

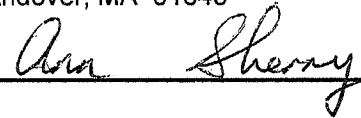
Witness 2 (Typed or Handwritten) Name

37 Fernandez circle, Randolph MA 02368

Witness 2 Address

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 28 day of March, 2016.


Signature of Inventor **Steven P. LANGSTON**
164 Mill Road
North Andover, MA 01845


Witness 1 Signature

ANN SHERRY
Witness 1 (Typed or Handwritten) Name

46 HURON CIRCLE, DORCHESTER MA 02124
Witness 1 Address


Witness 2 Signature

DAPHNE HOWE
Witness 2 (Typed or Handwritten) Name

37 Fernandez Circle, Randolph, MA 02368
Witness 2 Address

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 29th day of March, 2016.

Charles J. McIntyre

Signature of Inventor **Charles J. MCINTYRE**
230 Brookline Street, Apt. 1
Cambridge, MA 02139

Ann Sherry

Witness 1 Signature

ANN SHERRY

Witness 1 (Typed or Handwritten) Name

46 HURON CIRCLE, DORCHESTER MA 02124

Witness 1 Address

Daphne Howe

Witness 2 Signature


DAPHNE HOWE

Witness 2 (Typed or Handwritten) Name


37 Fernandez Circle, Randolph MA 02368

Witness 2 Address

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 28 day of March, 2016.



Signature of Inventor **Hirotake MIZUTANI**
264 Massachusetts Ave., #209
Arlington, MA 02474




Witness 1 Signature

ANN SHERRY

Witness 1 (Typed or Handwritten) Name

46 Huron Circle, Dorchester MA 02124
Witness 1 Address



Witness 2 Signature

DAPHNE HOWE

Witness 2 (Typed or Handwritten) Name

37 Fernandez Circle, Randolph, MA 02368
Witness 2 Address

IN WITNESS WHEREOF, I have hereunto set my hand and seal this 28th day of March, 2016.

Signature of Inventor He XU
43 Glover Road 12, Louart Drive
Needham, MA 02494

H.X.
03-28-2016

Ann Sherry
Witness 1 Signature

ANN SHERRY

Witness 1 (Typed or Handwritten) Name

46 HURON CIRCLE, DORCHESTER MA 02124
Witness 1 Address

Daphne Howe
Witness 2 Signature

DAPHNE HOWE

Witness 2 (Typed or Handwritten) Name

37 Fernandez Circle Randolph, MA 02368
Witness 2 Address

Assignee Name: Millennium Pharmaceuticals, Inc.

Signature: Karoline K.M. Shair

Printed Name: Karoline K.M. Shair

Corporate Title: VP, IP Resion Head

Date: April 4, 2016