#### 504132852 12/16/2016

### PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4189138

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
CHRISTOPHER F. CLAIBORNE	06/02/2005
LLOYD J. PAYNE	06/06/2005
RICHARD J. BOYCE	06/06/2005
TODD B. SELLS	06/03/2005
STEPHEN G. STROUD	06/07/2005
STUART TRAVERS	06/06/2005
TRICIA J. VOS	06/06/2005
GABRIEL S. WEATHERHEAD	06/06/2005

#### **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:	14810225

#### **CORRESPONDENCE DATA**

**Fax Number:** (617)502-4830

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.

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ATTORNEY DOCKET NUMBER:	2003886-0890
NAME OF SUBMITTER:	KRISTEN C. BUTEAU
SIGNATURE:	/KRISTEN C. BUTEAU/

**DATE SIGNED:** 12/16/2016 **Total Attachments: 56** source=2016-12-14 Assignment as filed#page1.tif source=2016-12-14 Assignment as filed#page2.tif source=2016-12-14 Assignment as filed#page3.tif source=2016-12-14 Assignment as filed#page4.tif source=2016-12-14 Assignment as filed#page5.tif source=2016-12-14 Assignment as filed#page6.tif source=2016-12-14 Assignment as filed#page7.tif source=2016-12-14 Assignment as filed#page8.tif source=2016-12-14 Assignment as filed#page9.tif source=2016-12-14 Assignment as filed#page10.tif source=2016-12-14 Assignment as filed#page11.tif source=2016-12-14 Assignment as filed#page12.tif source=2016-12-14 Assignment as filed#page13.tif source=2016-12-14 Assignment as filed#page14.tif source=2016-12-14 Assignment as filed#page15.tif source=2016-12-14 Assignment as filed#page16.tif source=2016-12-14 Assignment as filed#page17.tif source=2016-12-14 Assignment as filed#page18.tif source=2016-12-14 Assignment as filed#page19.tif source=2016-12-14 Assignment as filed#page20.tif source=2016-12-14 Assignment as filed#page21.tif source=2016-12-14 Assignment as filed#page22.tif source=2016-12-14 Assignment as filed#page23.tif source=2016-12-14 Assignment as filed#page24.tif source=2016-12-14 Assignment as filed#page25.tif source=2016-12-14 Assignment as filed#page26.tif source=2016-12-14 Assignment as filed#page27.tif source=2016-12-14 Assignment as filed#page28.tif source=2016-12-14 Assignment as filed#page29.tif source=2016-12-14 Assignment as filed#page30.tif source=2016-12-14 Assignment as filed#page31.tif source=2016-12-14 Assignment as filed#page32.tif source=2016-12-14 Assignment as filed#page33.tif source=2016-12-14 Assignment as filed#page34.tif source=2016-12-14 Assignment as filed#page35.tif source=2016-12-14 Assignment as filed#page36.tif source=2016-12-14 Assignment as filed#page37.tif source=2016-12-14 Assignment as filed#page38.tif source=2016-12-14 Assignment as filed#page39.tif source=2016-12-14 Assignment as filed#page40.tif source=2016-12-14 Assignment as filed#page41.tif source=2016-12-14 Assignment as filed#page42.tif source=2016-12-14 Assignment as filed#page43.tif source=2016-12-14 Assignment as filed#page44.tif source=2016-12-14 Assignment as filed#page45.tif source=2016-12-14 Assignment as filed#page46.tif

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source=2016-12-14 Assignment as filed#page56.tif



For: U.S. and Foreign Rights

For: U.S. and Foreign Applications

By: Inventors

### ASSIGNMENT OF INVENTION

WHEREAS,

#### **ASSIGNORS:**

Christopher F. Claiborne 23 Sparks Street, Cambridge, Massachusetts 02138, United States Nationality: United States

Lloyd J. Payne

NCE Discovery Ltd., 418 Cambridge Science Park, Milton Road, Cambridge CB4 0PZ, United Kingdom

Nationality: United Kingdom

Richard J. Boyce

2 Grapevine Cottages, High Street, Boxworth, Cambridge, CB3 8NG, United Kingdom Nationality: United Kingdom

Todd B. Sells

32 Ray Ave, Bellingham, Massachusetts 02019, United States

Nationality: United States

Stephen G. Stroud

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Nationality: United States

Stuart Travers

106 High Street, Meppershall, Bedfordshire SG17 5LZ, United Kingdom

Nationality: United Kingdom

Tricia J. Vos

203 Woburn Street, Medford, Massachusetts 02155, United States

Nationality: United States

Gabriel S. Weatherhead

129 Franklin St., Apt. 229, Cambridge, Massachusetts 02139, United States

Nationality: United States

have co-invented a certain invention entitled:

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U.S. Patent Application No. 11/127,855 filed on May 12, 2005; and International Patent Application No. PCT/US05/16445 filed on May 12, 2005; and

WHEREAS,

#### ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC. 40 Landsdowne Street Cambridge, MA 02139 State of Incorporation: Delaware

is desirous of acquiring ASSIGNORS' entire domestic and foreign right, title, and interest in and under the invention described in the patent applications;

Now, Therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby, without reservations, sell, assign and transfer to ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and to the invention in the United States and in every foreign country, and our entire right, title, and interest in and to the patent applications and such other applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications and utility model applications) as may be filed on the invention in the United States or in any foreign country, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon; said invention, applications, and patents to be held and enjoyed by ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

ASSIGNORS hereby authorize the ASSIGNEE to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

(Page 2 of 7)

ASSIGNORS hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein. ASSIGNORS further acknowledge that this assignment carries with it the right in ASSIGNEE to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the United States application (or any other application on the invention) to gain priority with respect to other applications.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that we will at any time upon request, without further or additional consideration, but at the expense of the ASSIGNEE, execute and deliver such additional assignments and other writings and do such additional acts as the ASSIGNEE may deem necessary or desirable to perfect the ASSIGNEE's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the United States or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representative of all parties hereto.

AND, ASSIGNORS do hereby authorize and request the Commissioner of Patents of the United States to issues such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

(Page 3 of 7)

# Practitioner's Docket No. ..... 104-043P2RNM

IN WITNESS WHEREOF, I	have hereunto set hand and seal this OZ day of
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(Page 4 of 7)

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(Page 5 of 7)

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(Page 6 of 7)

# IN WITNESS WHEREOF, I have hereunto set hand and seal this \_\_\_\_\_ day of \_\_\_\_\_\_, 2005. Signature of Tricia J. Vos Witness 1 Signature Witness 1 Printed Name Address Witness 2 Signature Witness 2 Printed Name Address IN WITNESS WHEREOF, I have hereunto set hand and seal this \_\_\_\_\_ day of Signature of Gabriel S. Weatherhead Witness 1 Signature Witness 1 Printed Name Address Witness 2 Signature

Address

Witness 2 Printed Name

(Page 7 of 7)



For:

U.S. and Foreign Rights

For:

U.S. and Foreign Applications

By:

Inventors

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(Page 2 of 7)

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	(Page 3 of 7)
IN WITNESS WHEREOF, I have hereunto set hand and seal this	day of

	Signature of Christopher F. Claiborne
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ness I Signature Sheet JARVIS ness I Printed Name MCNOMOCA ess 2 Signature ATTE MCNAMWEA ess 2 Printed Name	Signature of Lloyd J. Payrie  7 YORK STREET, CAMBRIDGE CB1 2PZ Address  19 BARNACIC GROVE, POYSTON HEOTS CA

**PATENT** REEL: 040996 FRAME: 0805

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	Signature of Gabriel S. Weatherhe	ad
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rracutioner's Docket No. M17104-045P2RNM

(Page 7 of 7)



**PATENT** 

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	(Page 3 of 7)
IN WITNESS WHEREOF, I have hereunto set hand and seal this	 day of

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David Oven	11 Coldhams Grove Cambridge (BI 3HW, U)	K
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	(Page 5 of 7	<b>'</b> )
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N WITNESS WHEREOF, I h	ave hereunto set hand and seal this	dayo
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		(Page 6 of 7)

**PATENT REEL: 040996 FRAME: 0814** 

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	Signature of Tricia J. Vos	
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IN WITNESS WHEREOF, I	have hereunto set hand and seal this  Signature of Gabriel S. Weatherhead	day o

(Page 7 of 7)



**PATENT** 

U.S. and Foreign Rights For:

U.S. and Foreign Applications For:

By: Inventors

### ASSIGNMENT OF INVENTION

WHEREAS,

#### ASSIGNORS:

Christopher F. Claiborne

23 Sparks Street, Cambridge, Massachusetts 02138, United States

Nationality: United States

Lloyd J. Payne

NCE Discovery Ltd., 418 Cambridge Science Park, Milton Road, Cambridge CB4 0PZ,

United Kingdom

Nationality: United Kingdom

Richard J. Boyce

2 Grapevine Cottages, High Street, Boxworth, Cambridge, CB3 8NG, United Kingdom

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(Page 5 of 7)

, 2005.	have hereunto set hand and seal this	day of
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(Page 6 of 7)

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·	Signature of Gabriel S. We	atherhead
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(Page 5 of 7)

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(Page 6 of 7)

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U.S. and Foreign Applications For:

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	Signature of Christopher F. C	laiborne
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**PATENT** REEL: 040996 FRAME: 0833

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		(Page 6 of 7)
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	Signature of Gabriel S. Weatherhead	
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(Page 6 of 7)

Practitioner's Docket No	4PI04-043P2RNM		
IN WITNESS WHEREOF, 2005.	have hereunto set hand and sea	al this 674	day of
	Signatura	ia IVO	
Α	Signature of T	ricia J. Vos	. ————
Witness 1 Signature			
Mina Tregay Witness I Printed Name  Um Re	45 Sacramento St. Address	#3 Cambridge	MA 02138
Witness 2 Signature	<u> </u>		
Fl. D.	1117 2		
Witness 2 Printed Name	416 Commonwealth Address	. Ave. #614 Bo	ston MA 02215
IN WITNESS WHEREOF, I I	ave hereunto set hand and seal	this	day of
	Signature of Ga	ibriel S. Weatherhead	
Witness 1 Signature			
· · · · · · · · · · · · · · · · · · ·			
Vitness 1 Printed Name	Address		
Vitness 2 Signature			
Vitness 2 Printed Name	Address	<del></del>	

(Page 7 of 7)



**PATENT** 

For: U.S. and Foreign Rights

For: U.S. and Foreign Applications

By: Inventors

### ASSIGNMENT OF INVENTION

WHEREAS,

#### **ASSIGNORS:**

Christopher F. Claiborne

23 Sparks Street, Cambridge, Massachusetts 02138, United States

Nationality: United States

Lloyd J. Payne

NCE Discovery Ltd., 418 Cambridge Science Park, Milton Road, Cambridge CB4 0PZ,

United Kingdom

Nationality: United Kingdom

Richard J. Boyce

2 Grapevine Cottages, High Street, Boxworth, Cambridge, CB3 8NG, United Kingdom

Nationality: United Kingdom

Todd B. Sells

32 Ray Ave, Bellingham, Massachusetts 02019, United States

Nationality: United States

Stephen G. Stroud

53 Tesla Avenue, Medford, Massachusetts 02155, United States

Nationality: United States

Stuart Travers

106 High Street, Meppershall, Bedfordshire SG17 5LZ, United Kingdom

Nationality: United Kingdom

Tricia J. Vos

203 Woburn Street, Medford, Massachusetts 02155, United States

Nationality: United States

Gabriel S. Weatherhead

129 Franklin St., Apt. 229, Cambridge, Massachusetts 02139, United States

Nationality: United States

have co-invented a certain invention entitled:

# COMPOUNDS AND METHODS FOR INHIBITING MITOTIC PROGRESSION

which is described in the following patent applications:

U.S. Patent Application No. 11/127,855 filed on May 12, 2005; and International Patent Application No. PCT/US05/16445 filed on May 12, 2005; and

WHEREAS,

#### ASSIGNEE:

MILLENNIUM PHARMACEUTICALS, INC. 40 Landsdowne Street Cambridge, MA 02139 State of Incorporation: Delaware

is desirous of acquiring ASSIGNORS' entire domestic and foreign right, title, and interest in and under the invention described in the patent applications;

Now, Therefore, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNORS hereby, without reservations, sell, assign and transfer to ASSIGNEE, its successors, assigns and legal representatives, our entire right, title and interest in and to the invention in the United States and in every foreign country, and our entire right, title, and interest in and to the patent applications and such other applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications and utility model applications) as may be filed on the invention in the United States or in any foreign country, and the patents, extensions, or derivations thereof, both foreign and domestic, that may issue thereon; said invention, applications, and patents to be held and enjoyed by ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

ASSIGNORS hereby authorize the ASSIGNEE to insert in this assignment document the filing date and application number of the application if the date and number are unavailable at the time this document is executed.

(Page 2 of 7)

ASSIGNORS hereby acknowledge that this assignment, being of our entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein. ASSIGNORS further acknowledge that this assignment carries with it the right in ASSIGNEE to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of the United States application (or any other application on the invention) to gain priority with respect to other applications.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNORS further covenant that we will at any time upon request, without further or additional consideration, but at the expense of the ASSIGNEE, execute and deliver such additional assignments and other writings and do such additional acts as the ASSIGNEE may deem necessary or desirable to perfect the ASSIGNEE's enjoyment of this assignment, and render all necessary assistance in making application for and obtaining original, continuation, continuation-in-part, divisional, reissued, reexamined, and National phase patents of the United States or of any and all foreign countries on the invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, and by executing statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of, the assigns and legal representative of all parties hereto.

AND, ASSIGNORS do hereby authorize and request the Commissioner of Patents of the United States to issues such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

(Page 3 of 7)

IN WITNESS WHEREOF, 11	have hereunto set hand and seal this	day of
	Signature of Christopher F. Claibor	ne
Witness 1 Signature	·	
Witness 1 Printed Name	Address	
Witness 2 Signature		
Witness 2 Printed Name	Address	
IN WITNESS WHEREOF, I ha	ave hereunto set hand and seal this	day of
, 2005.		day 01
	Signature of Lloyd J. Payne	
Witness 1 Signature		<u>-</u>
Witness 1 Printed Name	Address	
Witness 2 Signature		
Witness 2 Printed Name	Address	·

(Page 4 of 7)

IN WITNESS WHEREOF, I have hereunto set hand and seal this, 2005.		
	Signature of Richard J. Boyce	
Witness 1 Signature		
Witness 1 Printed Name	Address	
Witness 2 Signature		
Witness 2 Printed Name	Address	
IN WITNESS WHEREOF, I ha	ave hereunto set hand and seal this	day of
	Signature of Todd B. Sells	
Witness 1 Signature		
Witness 1 Printed Name	Address	
Witness 2 Signature		
Witness 2 Printed Name	Address	7

(Page 5 of 7)

IN WITNESS WHEREOF, I I	have hereunto set hand and seal this	day of
	Signature of Steven G. Stroud	
Witness 1 Signature		
·		
Witness 1 Printed Name	Address	
Witness 2 Signature		
Witness 2 Printed Name	Address	
IN WITNESS WHEREOF, I ha	we hereunto set hand and seal this	day of
, 2005.		day of
	Signature of Stuart Travers	
Witness 1 Signature		
Witness 1 Printed Name	Address	
Witness 2 Signature		······································
Witness 2 Printed Name	Address	***************************************

(Page 6 of 7)

## Practitioner's Docket No. ... 2104-043P2RNM

IN WITNESS WHEREOF, I have hereun , 2005.	to set hand and seal thi	s	day of
	Signature of Tricia	ı J. Vos	
Witness 1 Signature			
Witness 1 Printed Name Add	ress		<del></del>
Witness 2 Signature			
Witness 2 Printed Name Add	ress		
IN WITNESS WHEREOF, I have hereunto , 2005.	set hand and seal this		day of
Edw Jales	Signature of Gabrie	l S. Weatherhead	
Witness 1 Signature			
Witness 1 Printed Name Addre	-6 C-66s 57 #5 ess	Brookline MA	02446
Witness 2 Printed Name Addre	tycht u KEI	M RD , READI	ny , UA 01867

(Page 7 of 7)

PATENT REEL: 040996 FRAME: 0850

**RECORDED: 12/16/2016**