

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bing-Yan Zhu</td> <td>09/19/2005</td> </tr> <tr> <td>Shawn M. Bauer</td> <td>09/19/2005</td> </tr> <tr> <td>Zhaozhong J. Jia</td> <td>09/15/2005</td> </tr> <tr> <td>Gary D. Probst</td> <td>09/16/2005</td> </tr> <tr> <td>Yanchen Zhang</td> <td>09/24/2005</td> </tr> <tr> <td>Robert M. Scarborough</td> <td>09/07/2005</td> </tr> </tbody> </table>		Name	Execution Date	Bing-Yan Zhu	09/19/2005	Shawn M. Bauer	09/19/2005	Zhaozhong J. Jia	09/15/2005	Gary D. Probst	09/16/2005	Yanchen Zhang	09/24/2005	Robert M. Scarborough	09/07/2005
Name	Execution Date														
Bing-Yan Zhu	09/19/2005														
Shawn M. Bauer	09/19/2005														
Zhaozhong J. Jia	09/15/2005														
Gary D. Probst	09/16/2005														
Yanchen Zhang	09/24/2005														
Robert M. Scarborough	09/07/2005														
RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>Millennium Pharmaceuticals, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>40 Landsdown Street</td> </tr> <tr> <td>City:</td> <td>Cambridge</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02139</td> </tr> </table>		Name:	Millennium Pharmaceuticals, Inc.	Street Address:	40 Landsdown Street	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02139				
Name:	Millennium Pharmaceuticals, Inc.														
Street Address:	40 Landsdown Street														
City:	Cambridge														
State/Country:	MASSACHUSETTS														
Postal Code:	02139														
PROPERTY NUMBERS Total: 2															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13213927</td> </tr> <tr> <td>Application Number:</td> <td>12348879</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13213927	Application Number:	12348879								
Property Type	Number														
Application Number:	13213927														
Application Number:	12348879														
CORRESPONDENCE DATA															
<p>Fax Number: 6508563710  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (650)        Email: mcisneros@foley.com        Correspondent Name: 6508563700        Address Line 1: 975 Page Mill Road        Address Line 2: Foley &amp; Lardner LLP        Address Line 4: Palo Alto, CALIFORNIA 94304</p>															
ATTORNEY DOCKET NUMBER:	099202-1203														

OP \$80.00 13213927

NAME OF SUBMITTER:

Wenrong Huang

Total Attachments: 5

source=099202-1203\_assignment#page1.tif

source=099202-1203\_assignment#page2.tif

source=099202-1203\_assignment#page3.tif

source=099202-1203\_assignment#page4.tif

source=099202-1203\_assignment#page5.tif

**PATENT**

**REEL: 029616 FRAME: 0073**

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, Bing-Yan Zhu of 135 Lois Lane, Palo Alto, CA 94303; Shawn M. Bauer of 181 Beachview Avenue, Pacifica, CA 94044; Zhaozhong J. Jia of 1576E Marina Court, San Mateo, CA 94403; Gary D. Probst of 155 Haight Street, San Francisco, CA 94102; Yanchen Zhang of 17 Arlington Avenue, Kensington, CA 94707 and Robert M. Scarborough of 22 Greenbrier Court, Half Moon Bay, CA 94019, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:            **FACTOR Xa INHIBITORS**

Date(s) of execution of Declaration:

Filing Date:                 June 20, 2005

Application No.:            11/158,274; and

WHEREAS, Millennium Pharmaceuticals, Inc., a corporation of the state of Massachusetts, located at 40 Landsdowne Street, Cambridge, MA 02139, hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents do assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that they will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including patent applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.


IN TESTIMONY WHEREOF, Assignors have signed their names on the dates indicated.

Dated: 9-19-05

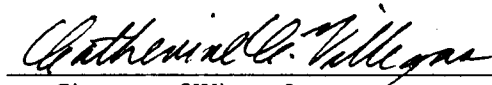
  
Bing-Yan Zhu

SIGNATURE WITNESSED BY:

(1) Date: 9/19/05

  
Signature of Witness 1  
Witness Printed Name: UMA SINDHYA

(2) Date: 9/19/05

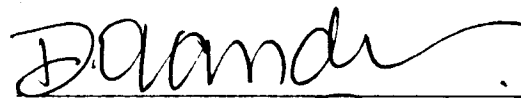
  
Signature of Witness 2  
Witness Printed Name: Catherine C. Villegas

Dated: 9-19-05

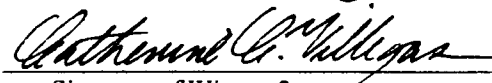
  
Shawn Bauer

SIGNATURE WITNESSED BY:

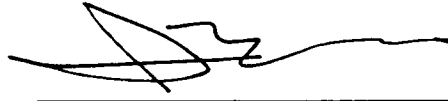
(1) Date: 9-19-05

  
Signature of Witness 1  
Witness Printed Name: Danielle Olander

(2) Date: 9/19/05


  
Signature of Witness 2  
Witness Printed Name: Catherine C. Villegas

Dated: 9-15-2005

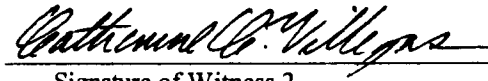
  
\_\_\_\_\_  
Zhaozhong J. Jia

SIGNATURE WITNESSED BY:

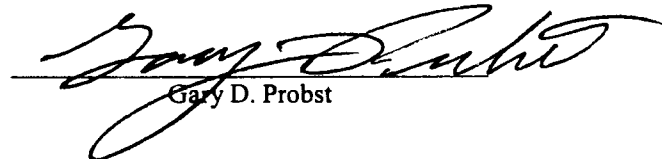
(1) Date: 9/15/05

  
\_\_\_\_\_  
Signature of Witness 1  
Witness Printed Name: 9/15/05 Matt Birrell

(2) Date: 9/15/05

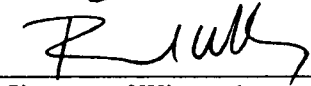
  
\_\_\_\_\_  
Signature of Witness 2  
Witness Printed Name: Catherine C. Villegas

Dated: 9/16/05

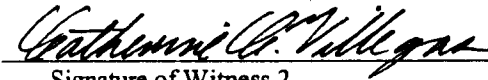
  
\_\_\_\_\_  
Gary D. Probst

SIGNATURE WITNESSED BY:

(1) Date: 9/16/05

  
\_\_\_\_\_  
Signature of Witness 1  
Witness Printed Name: RICHARD W. WONG

(2) Date: 9/16/05

  
\_\_\_\_\_  
Signature of Witness 2  
Witness Printed Name: Catherine C. Villegas

Dated: \_\_\_\_\_

\_\_\_\_\_  
Yanchen Zhang

SIGNATURE WITNESSED BY:

(1) Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Witness 1  
Witness Printed Name: \_\_\_\_\_

(2) Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Witness 2  
Witness Printed Name: \_\_\_\_\_

Dated: \_\_\_\_\_

\_\_\_\_\_  
Zhaozhong J. Jia

SIGNATURE WITNESSED BY:

(1) Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Witness 1

Witness Printed Name: \_\_\_\_\_

(2) Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Witness 2

Witness Printed Name: \_\_\_\_\_

Dated: \_\_\_\_\_

\_\_\_\_\_  
Gary D. Probst

SIGNATURE WITNESSED BY:

(1) Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Witness 1

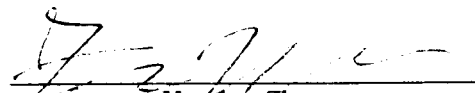
Witness Printed Name: \_\_\_\_\_

(2) Date: \_\_\_\_\_

\_\_\_\_\_  
Signature of Witness 2


Witness Printed Name: \_\_\_\_\_

Dated: 9.24.05

  
\_\_\_\_\_  
Yan Chen Zhang

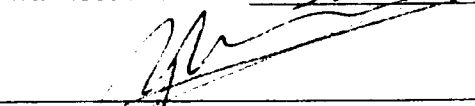
SIGNATURE WITNESSED BY:

(1) Date: 09-24-05

  
\_\_\_\_\_  
Signature of Witness 1

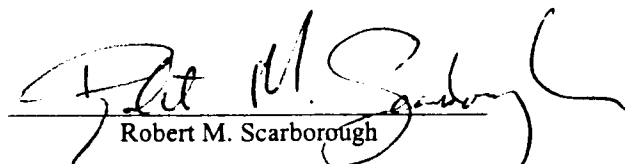
Witness Printed Name: Susana Hu

(2) Date: 9/24/05

  
\_\_\_\_\_  
Signature of Witness 2

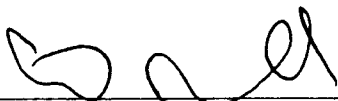
Witness Printed Name: P. X. Zhang

Dated: 1-7-05

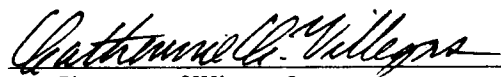
  
Robert M. Scarborough

SIGNATURE WITNESSED BY:

(1) Date: 9/2/05

  
Signature of Witness 1  
Witness Printed Name: Matt Birkel

(2) Date: 9/7/05

  
Signature of Witness 2  
Witness Printed Name: Catherine C. Villegas

60556083 v1