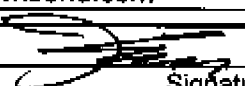


Attorney Docket No. 022041-001420US

Form PTO-1595 (Rev. 06/04)  
OMB No. 0651-0027 (exp. 6/30/2005)U.S. DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office**RECORDATION FORM COVER SHEET  
PATENTS ONLY**

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

<b>1. Name of conveying party(ies)/Execution Date(s):</b> Mark G. Erlander Xiao-Jun Ma Dennis C. Sgroi 9/1/04, 9/1/04, 6/15/04 Execution Date(s) respectively Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>2. Name and address of receiving party(ies)</b> Name: <u>Arcturus Bioscience, Inc.</u> Internal Address: _____ Street Address: <u>400 Logue Avenue</u> City: <u>Mountain View</u> State: <u>CA</u> Country: <u>USA</u> Zip: <u>94043-4019</u> Additional name(s) & address(es) attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>3. Nature of conveyance:</b> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____		<b>4. Application or patent number(s):</b> <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>10/773,761</u> B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>5. Name and address to whom correspondence concerning document should be mailed:</b> Name: <u>Kawai Lau</u> Internal Address: _____ <u>TOWNSEND AND TOWNSEND AND CREW LLP</u> Street Address: <u>Two Embarcadero Center,</u> <u>Eighth Floor</u> City: <u>San Francisco</u> State: <u>California</u> Zip: <u>94111-3834</u> Phone Number: <u>(415) 576-0200</u> Fax Number: <u>(415) 576-0300</u> Email Address: <u>klau@townsend.com</u>		<b>6. Total number of applications and patents involved:</b> <u>1</u> <b>7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$ 40.00</b> <input type="checkbox"/> Authorized to be charged by credit card <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)	
<b>9. Signature:</b>  _____ Signature <u>Kawai Lau</u> Name of Person Signing Atty. Reg. No. <u>44461</u>		<b>8. Payment Information</b> a. Credit Card Last 4 numbers _____ Expiration Date _____ b. Deposit Account Number <u>20-1430</u> Authorized User Name _____ September <u>9</u> , 2004 Date Total number of pages including cover sheet, attachments, and documents: <u>9</u>	

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5895, or mailed to:  
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, VA 22313-1450

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**PATENT**  
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Form PTO-1595  
Recordation Form Cover Sheet  
Patents Only  
Page 2

1. Additional name(s) of conveying party(ies):  
(Continued from Page 1)

2. Additional name(s) and address(es) of receiving party(ies):  
(Continued from Page 1)

The General Hospital Corporation  
55 Fruit Street  
Boston, MA 02114  
United States

3. Additional application number(s) or patent number(s):  
(Continued from Page 1)

A. Patent Application No.(s)

B. Patent No.(s)

60305175 v1

Attorney Docket No.: 022041-001420US

**ASSIGNMENT OF PATENT APPLICATION**

SOLE

WHEREAS, Dennis C. Sgroi of 331 Main Street, Winchester, MA 01890 hereinafter referred to as "Assignor," is the inventor of the invention described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: PREDICTING BREAST CANCER TREATMENT  
OUTCOME

Date(s) of execution of Declaration:

Filing Date: February 6, 2004

Application No.: 10/773,761; and

WHEREAS, The General Hospital Corporation of 55 Fruit Street, Boston, MA, US, 02114, 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;

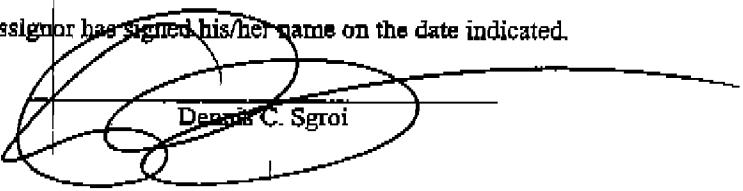
For good and valuable consideration, receipt of which is hereby acknowledged by Assignor, Assignor has assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from 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 Assignor 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.

Assignor further agrees that Assignor 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 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.

Assignor hereby authorizes and requests Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignor has signed his/her name on the date indicated.

Dated: 6/15/04

  
Dennis C. Sgroi

STATE OF )  
                  )  
COUNTY OF )

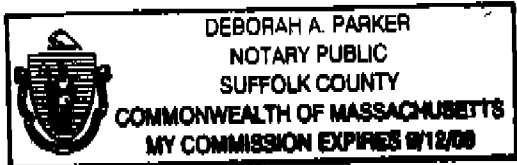
Assignment

Attorney Docket No.: 022041-001420US

Page 2

On June 15, 2004, before me, Dennis C. Sgroi,  
personally appeared Dennis C. Sgroi, personally known to me (or proved to me on the basis of  
satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me  
that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the  
person, or the entity upon behalf of which the person acted, executed the instrument.

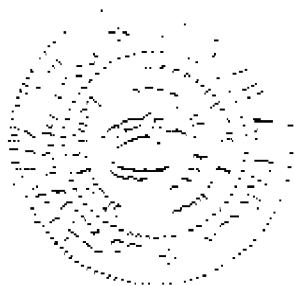
WITNESS my hand and official seal.



My Commission Expires: \_\_\_\_\_

Deborah A. Parker  
NOTARY PUBLIC

60218824 v1



Attorney Docket No.: 022041-001420US

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, Mark G. Erlander of 442 Hillcrest Drive, Encinitas, CA 92024; Xiao-Jun Ma of 4482 Calle Mar De Armonia, San Diego, CA 92130 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: PREDICTING BREAST CANCER TREATMENT  
OUTCOME

Date(s) of execution of Declaration:

Filing Date: February 6, 2004

Application No.: 10/773,761; and

WHEREAS, Arcturus Bioscience, Inc., located at 400 Logue Avenue, Mountain View, CA 94043-4019, 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.

Assignors hereby authorize and request Townsend and Townsend and Crew LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, to insert herein above the application number and filing date of said application when known.

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

Dated: 9-01-04

  
Mark G. Erlander

STATE OF

*California*

COUNTY OF

*Santa Clara*

ss.

Assignment  
Attorney Docket No.: 022041-001420US  
Page 2

On Sept 1<sup>st</sup> 2004, before me, Varish Modi, Notary Public  
personally appeared Mark G. Erlander, ~~personally known to me~~ (or proved to me on the  
basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and  
acknowledged to me that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on  
the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Varish Modi  
NOTARY PUBLIC

My Commission Expires: April 9, 2006

Dated: 9-1-04

Xiao-Jun Ma  
Xiao-Jun Ma

STATE OF California  
COUNTY OF Santa Clara ss.

On Sept 1<sup>st</sup> 2004, before me, Varish Modi, Notary Public  
personally appeared Xiao-Jun Ma, ~~personally known to me~~ (or proved to me on the basis of  
satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me  
that he/~~she~~ executed the same in his/~~her~~ authorized capacity, and that by his/~~her~~ signature on the instrument the  
person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Varish Modi  
NOTARY PUBLIC

My Commission Expires: April 9, 2006

60218791 v1