Substitute Form PTO-1595 Attorney Docket No.: 20750-009002 Client's Ref. No.: 069.US4.CON

RECORDATION FORM COVER SHEET PATENTS ONLY

| Commissioner for Patents: Please record the attached original docur | nent(s) or copy(ies). |
|---|---|
| 1. Name of conveying party(ies): | 2. Name and address of receiving party(ies): |
| Robert M. Jones, Graeme Semple, Yifeng Xiong, Young-Jun Shin, Albert S. Ren, Imelda Calderon, Beatriz Fioravanti, Jin Sun Karoline Choi, Juerg Lehmann and Marc A. Bruce | Arena Pharmaceuticals, Inc. 6166 Nancy Ridge Drive San Diego, CA 92129 |
| Additional name(s) attached? Yes No | |
| 3. Nature of conveyance: | |
| ☑ Assignment □ Merger □ Security Agreement □ Change of Name □ Other: | |
| Execution Date: 11/16/04; 10/11/04; 11/17/04; 10/23/04; | Additional names/addresses attached? 口 Yes 図 No |
| 4. Application number(s) or patent number(s): | |
| If this document is being filed with a new application, the execution | n date of the application is: |
| A. Patent Application No(s).: | B: Patent No(s).: |
| 11/602,775 | |
| | attached? D Yes Is No |
| Name/address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications/patents involved: 1 |
| CHRISTINE A. GODDARD | 7. Total fee (37 CFR §3.41): \$40 |
| Fish & Richardson P.C. 225 Franklin Street | Enclosed |
| Boston, MA 02110 | Authorized to charge Deposit Account. |
| | 8. Deposit Account No.: 06-1050 |
| | Please apply any additional charges, or any credits, to our Deposit Account No. 06-1050. |
| DO NOT US | E THIS SPACE |
| 9. Statement and Signature: To the best of my knowledge and any attached copy is a true copy of the original document | d belief, the foregoing Information is true and correct and it. |
| Christine A. Goddard <u>Reg. No. 46,731</u> Name of Person Signing Signature | Afriddaud <u>4-27-07</u> Date |
| Ťotal | number of pages including coversheet, attachments and document: 13 |
| | |

21585636.doc

CERTIFICATE OF TRANSMISSION BY FACSIMILE

I hereby certify that this correspondence is being transmitted by facsimile to the Patent and Trademark Office on the date indicated below.

<u>gckenll</u> Typed Name of PGCA Sterin Certificate Date of Transmission Signature REEL: 019227 FRAME: 0847

700322459

APR. 27. 2007 3:58PM

DOCKET NO. 69.US3.REG

PATENT Joint Inventors

(Pending Application: Serial No. Known)

<u>ASSIGNMENT</u>

WHEREAS, we Robert M. Jones, of San Diego, California, Graeme Semple, of San Diego, California, Yifeng Xiong of San Diego, California, Young-Jun Shin of San Diego, California, Albert S. Ren of San Diego, California, Imelda Calderon of San Diego, California, Beatriz Fioravanti of Tucson, Arizona, Jin Sun Karoline Choi of San Diego, California, Juerg Lehmann of San Diego, California, and Marc A. Bruce of San Marcos, California, hereinafter referred to as the assignors, are the joint inventors of certain inventions or improvements for which we have made application for Letters Patent to the United States, identified as Serial No. 10/888,747, filed July 9, 2004, entitled Trisubstituted Aryl and Heteroaryl Derivatives as Modulators of Metabolism and the Prophylaxis and Treatment of Disorders Related Thereto; and

WHEREAS, Arena Pharmaceuticals, Inc., hereinafter referred to as the assignee, of 6166 Nancy Ridge Drive, San Diego, California, 92121, a corporation of Delaware, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by said assignee, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said assignors, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said application and any and all continuations, divisions and renewals of and substitutes for said application, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

AND we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith, and we further covenant and agree that we will each time request is made and without undue delay, execute and deliver all such papers as may be necessary or desirable to perfect the title to said inventions or improvements, said application and said Letters Patent to said assignee, its successors, assigns, nominees, or legal representatives, and each of us agrees to communicate to said assignee or to its nominee all known facts respecting said inventions or improvements, said application and said Letters Patent, to testify in any legal proceedings, to sign all lawful papers, to execute all disclaimers and divisional, continuing,

> PATENT REEL: 019227 FRAME: 0848

1

APR. 27. 2007 3:58PM

(2) -FISH&RICHARDSON_6175428906

NO.0008──P. 4/13-

DOCKET NO. 69.US3.REG

PATENT Joint Inventors

reissue and foreign applications, to make all rightful oaths, and generally to do everything possible to aid said assignee, its successors, assigns, nominees and legal representatives to obtain and enforce for its or their own benefit proper patent protection for said inventions or improvements in any and all countries.

AND we hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue to said assignee, as assignee of the entire right, title and interest, any and all Letters Patent for said inventions or improvements, including any and all Letters Patent of the United States which may be issued and granted on or as a result of the application aforesaid, in accordance with the terms of this assignment.

AND this Assignment may be executed in multiple counterparts, each of which shall be deemed to be an original of this Assignment. Additionally, we hereby authorize our attorneys to collect the signature pages of each executed counterpart and to attach those signature pages to a single copy of this instrument, which single copy and attached signature pages together shall constitute an original of this Assignment.

IN WITNESS WHEREOF, we have hergunto set our hands and seals.

0V.2004 $(L.S_{i})$ STATE OF California) COUNTY OF San D)eqc On November 16, 2004, before me, Carol Beam, Notary ober personally appeared

personally known to me

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.

CAROL BEAM Commission # 1324307 Notary Public - California San Diego County My Comut. Engines Oct 7, 2005

WITNESS my hand and official seal

Signature of Notary Public

2

PATENT REEL: 019227 FRAME: 0849 APR. 27. 2007 3:58PM

DOCKET NO. 69.US3.REG

PATENT **Joint Inventors**

| <u>IO-11-04</u> Date Graeme Semple (L.S | 5.) |
|---|-----|
| STATE OF California) | |
| COUNTY OF San Diego | |
| on October 11, 2004, before me, Carol Beam | |
| personally appeared <u>Graeme</u> <u>Semple</u> | |
| personally known to me | |

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/hersignature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

CAROL BEAM Commission # 1324307 Notary Public - California ŝ San Diego County My Comm. Expires Oct 7, 2005

Signature of Notary Public

PATENT REEL: 019227 FRAME: 0850

PATENT Joint Inventors

NOV 16, 2004 YEW gitter (L.S.) Date Yifeng Xiong STATE OF California)) \$\$. COUNTY OF San D) eqo On <u>November 16, 2004</u>, before me, <u>Carol Beam</u>, Notary, personally appeared <u>Yifeng Xiong</u> personally known to me proved to me on the basis of satisfactory evidence Ø

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.

CAROL BEAM Commission # 1324307 Notary Public - California San Diego County My Comm Expires Oct 7, 2005

Signature of Notary Public

PATENT Joint Inventors

<u>11/17/04</u>

Jorngustin Young-Jun Shin (L.S.)

STATE OF California) COUNTY OF San Diego On November 17, 2004, before me, <u>Carol Beam</u>, Notary personally appeared Young-Jun Shin

personally known to me

proved to me on the basis of satisfactory evidence ۵Ľ

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,



Signature of Notary Public

PATENT Joint Inventors

| <u></u> |) |
|---|--------|
| STATE OF California) | |
|) ss. COUNTY OF San Drego | |
| On November 16, 2004, before me, Carol Beam, Notary | |
| personally appeared <u>A bert 5. Ren</u> 7 | , , |
| personally known to me | |

CAROL BEAM Cammission # 1324307

Notary Public - California San Diego County My Colum, Spires Ort 7, 2004

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/hersignature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal

6-A

Signature of Notary Public

PATENT REEL: 019227 FRAME: 0853

PATENT Joint Inventors

Imelda Calderon 11/16/04 (L.S.) STATE OF California)) ss. COUNTY OF San)Diego On November 16, 2004, before me, Carol Beam, Notary, personally appeared Imelda Calderon personally known to me

N

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.

CAROL BEAM Commission # 1324307 Netary Fublic - California San Diego County My Comm. Expires Oct 7, 2005

Signature of Notary Public

PATENT Joint Inventors

| <u>10/23/04</u> Date | Blatuz Fioravanti (L.S.) Beatriz Fioravanti |
|-----------------------------------|--|
| STATE OF Acizona | |
| COUNTY OF D, m) ss. | |
| On October 23, 2004 | , before me, USSice Strauss |
| personally appeared <u>Blatiz</u> | Eiora-vanti |
| personally known to me | • • • • • • • • • • • • • • • • • • • |

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.

ignature of Notary Public



PATENT Joint Inventors

.....

No <u>||-16-04</u> (L.Ş.) Date Jin Sun Karoline Choi STATE OF California)) ss. COUNTY OF San Dileyo On November 16, 2004, before me, Carol Beam, Notary, personally appeared Jin Sun Karoline Choi

personally known to me

proved to me on the basis of satisfactory evidence ď

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.



CAROL BEAM Commission # 1324307 Notary Public - California San Diego County My Comm. Expires Oct 7, 2005

Signature of Notary Public

PATENT Joint Inventors

| | (L.\$.) |
|--|----------|
| STATE OF California) | |
|) ss. COUNTY OF San Diego | |
| On November 16, 2004, before me, Carol Beam, N | otary, |
| personally appeared <u>Juerg</u> Lehmann |] |
| personally known to me | <u> </u> |

 \sim



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.



Signature of Notary Public

. .

DOCKET NO. 69.US3.REG

PATENT Joint Inventors

| 16_04 Date | Marc A. Bruce (L.S.) |
|---------------------|---|
| STATE OF California |) |
| COUNTY OF SunD | |
| On <u>Novemb</u> | er 16, 2004, before me, <u>Carol Beam, notary</u> |
| personally appeared | Marc A. Baue |

personally known to me

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/hersignature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.



kont-

Signature of Notary Public