

## 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>Robert M. Jones</td> <td>03/30/2012</td> </tr> <tr> <td>Daniel J. Buzard</td> <td>06/07/2012</td> </tr> <tr> <td>Tawfik Gharbaoui</td> <td>09/30/2011</td> </tr> <tr> <td>Benjamin R. Johnson</td> <td>08/01/2012</td> </tr> <tr> <td>Michelle Kasem</td> <td>07/20/2012</td> </tr> <tr> <td>Thomas O. Schrader</td> <td>07/13/2012</td> </tr> <tr> <td>Scott Stirn</td> <td>09/26/2011</td> </tr> </tbody> </table>		Name	Execution Date	Robert M. Jones	03/30/2012	Daniel J. Buzard	06/07/2012	Tawfik Gharbaoui	09/30/2011	Benjamin R. Johnson	08/01/2012	Michelle Kasem	07/20/2012	Thomas O. Schrader	07/13/2012	Scott Stirn	09/26/2011
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<table border="1"> <tr> <td>Name:</td> <td>Arena Pharmaceuticals, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>6166 Nancy Ridge Drive</td> </tr> <tr> <td>City:</td> <td>San Diego</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>92121</td> </tr> </table>		Name:	Arena Pharmaceuticals, Inc.	Street Address:	6166 Nancy Ridge Drive	City:	San Diego	State/Country:	CALIFORNIA	Postal Code:	92121						
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CORRESPONDENCE DATA																	
<p>Fax Number: 8777697945  <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: (302) 652-5070        Email: apsi@fr.com        Correspondent Name: Susanne H. Goodson        Address Line 1: FISH &amp; RICHARDSON P.C.        Address Line 2: P.O.BOX 1022        Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022</p>																	
ATTORNEY DOCKET NUMBER:	20750-0115US1 184.US2.PCT																

CH \$40.00 13581846

NAME OF SUBMITTER:

Suzanne C. O'Neill

**Total Attachments: 8**

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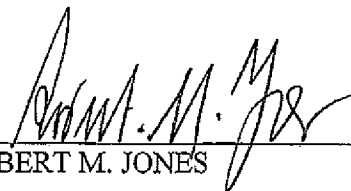
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ASSIGNMENT

For valuable consideration, we, Robert M. Jones, of 10937 Corte Luz Del Sol, San Diego, CA 92130; Daniel J. Buzard, of 14494 Janal Way, San Diego, CA 92129; Tawfik Gharbaoui, of 2340 Lomica Place, Escondido, CA 92029; Benjamin R. Johnson, of 8574 Summerdale Road, No. 146, San Diego, CA 92126; Michelle Kasem, of 1112 Paseo Entrada, Chula Vista, CA 91910; Thomas O. Schrader, of 575 6th Street # 508, San Diego, CA 92101; Scott Stim, of 14710 Carmel Ridge Road, San Diego, CA 92128; hereby assign to ARENA PHARMACEUTICALS, INC., a corporation of Delaware, having a place of business at 6166 Nancy Ridge Drive, San Diego, CA 92121, and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us, entitled PROCESSES FOR THE PREPARATION OF S1P1 RECEPTOR MODULATORS AND CRYSTALLINE FORMS THEREOF, filed on 08/30/2012, as a national stage of PCT application serial number PCT/US2011/026806 filed on March 2, 2011, and assigned U.S. Serial Number 13/581,846, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: 30<sup>th</sup> March 2012

  
ROBERT M. JONES

### Acknowledgment

State of California

County of San Diego

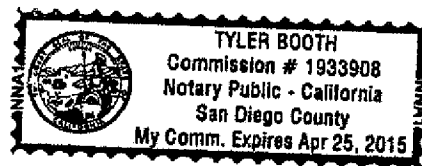
On 03/30/2012 before me, Tyler Booth, Notary Public  
(insert name and title of the officer)

personally appeared Robert M. Jones,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument  
the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.


I certify under PENALTY OF PERJURY under the laws of the State of California that the  
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature  (Seal)



DATE: 6-7-12

  
DANIEL J. BUZARD

### Acknowledgment

State of California

County of San Diego

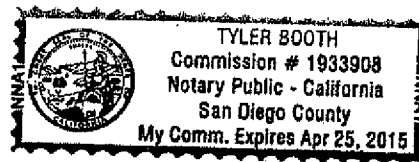
On 06/07/2012 before me, Tyler Booth, Notary Public  
(insert name and title of the officer)

personally appeared Daniel J. Buzard  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument  
the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature  (Seal)



DATE: 09/30/2011

Tawfik Gharbaoui  
TAWFIK GHARBAOUI

### Acknowledgment

State of California

County of San Diego

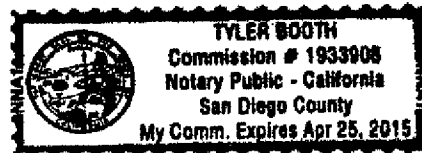
On 09/30/2011 before me, Tyler Booth, Notary Public  
(insert name and title of the officer)

personally appeared Tawfik Gharbaoui,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument  
the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Tyler Booth (Seal)



DATE: 8/1/12

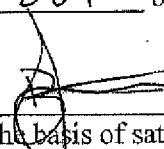
  
BENJAMIN R. JOHNSON

### Acknowledgment

State of California

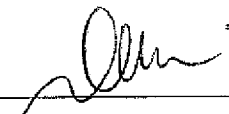
County of SAN DIEGO

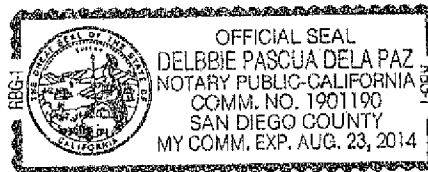
On AUG. 1, 2012 before me, DEBBIE PASCUA DELA PAZ, <sup>notary</sup> ~~public~~  
(insert name and title of the officer)

personally appeared  Benjamin R. Johnson  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument  
the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature  (Seal)



DATE: 7/20/12

Michelle Kasem  
MICHELLE KASEM

### Acknowledgment

State of California


County of San Diego

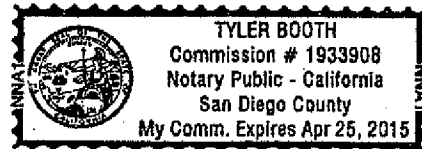
On 07/20/2012 before me, Tyler Booth, Notary Public  
(insert name and title of the officer)

personally appeared Michelle Kasem  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument  
the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature  (Seal)





DATE: 7/13/12

[Signature]  
THOMAS O. SCHRADER

### Acknowledgment

State of California

County of San Diego

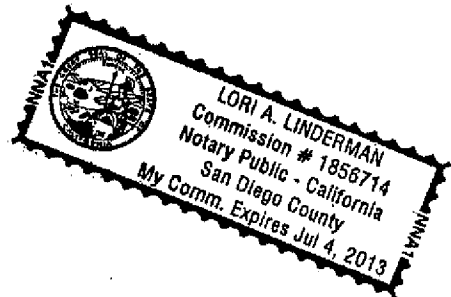
On July 13, 2012 before me, Lori A. Linderman, Notary Public,  
(insert name and title of the officer)

personally appeared Thomas O. Schrader,  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument  
the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Signature] (Seal)



DATE: 26 September 2011

SCOTT STIRN

### Acknowledgment

State of California

County of San Diego

On September 26, 2011 before me, WENDY J. McNATT, Notary Public  
(insert name and title of the officer)

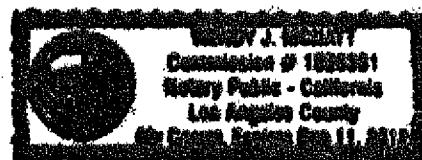
personally appeared Scott Stirn  
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are  
subscribed to the within instrument and acknowledged to me that he/she/they executed the same  
in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument  
the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the  
foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Wendy J. McNatt (Seal)



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