PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Lee Alani Selvey	04/01/2011
Marlon Carlos	04/05/2011
Paul Maffuid	04/23/2011
Yun Shan	04/19/2011
William L. Betts, III	04/01/2011
Deam Windate Given, III	04/26/2011
Ryan M. Hart	04/12/2011
Zezhi Jesse Shao	04/04/2011

RECEIVING PARTY DATA

Name:	Arena Pharmaceuticals, Inc.
Street Address:	6166 Nancy Ridge Drive
City:	San Diego
State/Country:	CALIFORNIA
Postal Code:	92121

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13126564

CORRESPONDENCE DATA

Fax Number: (877)769-7945

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

(302) 652-5070 Phone: Email: oneill@fr.com

Correspondent Name: Susanne H. Goodson FISH & RICHARDSON P.C. Address Line 1:

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

PATENT

REEL: 026261 FRAME: 0749

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ATTORNEY DOCKET NUMBER:	20750-0104US1 142.US2.PCT	
NAME OF SUBMITTER:	Suzanne C. O'Neill	

NAME OF SUBMITTER:	Suzanne
Total Attachments: 45	
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PATENT REEL: 026261 FRAME: 0750

<u>ASSIGNMENT</u>

For valuable consideration, we, Lee Alani Selvey, of 12976 Cree Drive, Poway, CA 92064, ; Marlon Carlos, of 1924 Knightsferry Drive, Chula Vista, CA 91913; Paul Maffuid, of 3326 Avenida Anacapa, Carlsbad, CA 92009; Yun Shan, of 11429 Honey Ridge, San Diego, CA 92130; William L. Betts, III, of 4518 Patria Drive, San Diego, CA 92115; Deam Windate Given, III, of 3504 Caminito El Rincon, #2, San Diego, CA 92130; Ryan M. Hart, of 722 Shotwell St., Apt. #1, San Francisco, CA 94110; Zezhi Jesse Shao, of 11356 Saddle Cove Lane, San Diego, CA 92130; 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 <u>COMPOSITION OF A 5-HT2A</u> SEROTONIN RECEPTOR MODULATOR USEFUL FOR THE TREATMENT OF DISORDERS RELATED THERETO, filed 4/28/2011, as a national stage of PCT application serial number PCT/US2009/005811 and assigned U.S. Serial Number 13/126, 564, 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.

Assignment Page 1 of 9

DATE: Of April 2011 LEÉ ALANI SELVEY
Acknowledgment State of California
County of SqN Droso
On April 1, 2011 before me, Lori A. L'Warman, Notary Public, (insert name and title of the officer)
personally appeared Lee Alani Selvey, 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)
LORI A. LINDERMAN Commission # 1856714 Notary Public - California San Diego County My Comm. Expires Jul 4, 2013

DATE: OSAPOTIII MARLON CARLOS
Acknowledgment
State of California
County of San Dilgo
On Oylos 11 before me, Tynbooth, Noting Public (insert name and title of the officer)
personally appeared Marlon Carlos, 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)
TYLER BOOTH Commission # 1740968 Notary Public - California San Diego County My Comm. Expires Apr 22, 2011

DATE:		
	PAU	L MAFFUID
Quara of California	Acknowle	dgment
State of California		
County of		
On	before me,	(insert name and title of the officer)
		(insert name and title of the officer)
subscribed to the within instrument in his/her/their authorized capa	of satisfactory evid ment and acknowled acity(ies), and that b	ence to be the person(s) whose name(s) is/are liged to me that he/she/they executed the same y his/her/their signature(s) on the instrument he person(s) acted, executed the instrument.
I certify under PENALTY OF foregoing paragraph is true and		e laws of the State of California that the
WITNESS my hand and officia	al seal.	
Signature	(Seal)	

DATE:		
-	YUN SHAN	
	Acknowledgment	
State of California		
County of		
On	before me, (insert name and title of the officer)	
	(insert name and title of the officer)	
subscribed to the within in his/her/their authorized	Yun Shan, usis of satisfactory evidence to be the person(s) whose name(s) is trument and acknowledged to me that he/she/they executed the apacity(ies), and that by his/her/their signature(s) on the instrumentary person behalf of which the person(s) acted, executed the instrumentary of the instrumentary	same nent
I certify under PENALTY foregoing paragraph is tru	OF PERJURY under the laws of the State of California that the and correct.	
WITNESS my hand and c	icial seal.	-
Sionature	(Seal)	

DATE: 1Apr 2011 WILLIAM L. BETTS, III
Acknowledgment State of California
County of 590 Dilgo On 04 DI 2011 before me, Tyl Booth, Notary Public (insert name and title of the officer)
personally appeared
WITNESS my hand and official seal.
Signature (Seal)
TYLER BOOTH Commission # 1740968 Notary Public - California San Diego County My Comm. Expires Apr 22, 2011

DATE:		
	DEAM	WINDATE GIVEN, III
	Acknowled	gment
State of California		
County of		
On	before me,	(insert name and title of the officer)
		(insert name and title of the officer)
subscribed to the within instruin his/her/their authorized cap	s of satisfactory eviden ment and acknowledge acity(ies), and that by	Given, III use to be the person(s) whose name(s) is/are ed to me that he/she/they executed the same his/her/their signature(s) on the instrument person(s) acted, executed the instrument.
I certify under PENALTY OF foregoing paragraph is true an		laws of the State of California that the
WITNESS my hand and offici	ial seal.	
Signature	(Seal)	

DATE:		
		N M. HART
	Acknowle	edgment
State of California		
County of)	
On	before me,	(insert name and title of the officer)
		(insert name and title of the officer)
subscribed to the within instrin his/her/their authorized cathe person(s), or the entity up	sis of satisfactory evidence of satisfactory e	Hart, dence to be the person(s) whose name(s) is/are dged to me that he/she/they executed the same by his/her/their signature(s) on the instrument he person(s) acted, executed the instrument. The laws of the State of California that the
WITNESS my hand and offi	cial seal.	
Signature	(Seal)

		A
DATE: 04 Apr 2011		
	ZEZHI JESSE	SHAO
	Acknowledgment	<u> </u>
State of California		
County of Sw Digo		
On 04/04/11	before me, TyuB (insert n	ame and title of the officer)
who proved to me on the basis of subscribed to the within instrum in his/her/their authorized capacity	nent and acknowledged to me city(ies), and that by his/her/th behalf of which the person(s PERJURY under the laws of t	the person(s) whose name(s) is/are that he/she/they executed the same heir signature(s) on the instrument s) acted, executed the instrument. The State of California that the
WITNESS my hand and officia	seal.	
Signature	(Seal)	
	Nota:	TYLER BOOTH Implication # 1740968 Ty Public - California In Diego County Imm. Expires Apr 22, 2011

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ASSIGNMENT

For valuable consideration, we, Lee Alani Selvey, of 12976 Cree Drive, Poway, CA 92064, ; Marlon Carlos, of 1924 Knightsferry Drive, Chula Vista, CA 91913; Paul Maffuid, of 3326 Avenida Anacapa, Carlsbad, CA 92009; Yun Shan, of 11429 Honey Ridge, San Diego, CA 92130; William L. Betts, III, of 4518 Patria Drive, San Diego, CA 92115; Deam Windate Given, III, of 3504 Caminito El Rincon, #2, San Diego, CA 92130; Ryan M. Hart, of 722 Shotwell St., Apt. #1, San Francisco, CA 94110; Zezhi Jesse Shao, of 11356 Saddle Cove Lane, San Diego, CA 92130; 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 <u>COMPOSITION</u> OF A 5-HT2A SEROTONIN RECEPTOR MODULATOR USEFUL FOR THE TREATMENT OF DISORDERS RELATED THERETO, filed 4/28/2011, as a national stage of PCT application serial number PCT/US2009/005811 and assigned U.S. Serial Number 13/126, 564, 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.

Assignment Page 1 of 9

PATENT REEL: 026261 FRAME: 0760

DATE:	·	
	LEE	ALANI SELVEY
	Acknowle	dgment
State of California		
County of		
On	before me,	
		(insert name and title of the officer)
subscribed to the within ins in his/her/their authorized c	asis of satisfactory evid strument and acknowled apacity(ies), and that b	elvey, lence to be the person(s) whose name(s) is/are dged to me that he/she/they executed the same by his/her/their signature(s) on the instrument the person(s) acted, executed the instrument.
I certify under PENALTY (foregoing paragraph is true		ne laws of the State of California that the
WITNESS my hand and of	ficial seal.	
Signature	(Seal)

REEL: 026261 FRAME: 0761

DATE:		
		LON CARLOS
	Acknowle	dgment
State of California		
County of)	
On	before me,	(insert name and title of the officer)
		(insert name and title of the officer)
subscribed to the within in in his/her/their authorized the person(s), or the entity I certify under PENALTY	basis of satisfactory evidestrument and acknowled capacity(ies), and that by upon behalf of which the OF PERJURY under the	ence to be the person(s) whose name(s) is/are liged to me that he/she/they executed the same y his/her/their signature(s) on the instrument he person(s) acted, executed the instrument. e laws of the State of California that the
foregoing paragraph is tru	e and correct.	
WITNESS my hand and o	official seal.	
Signature	(Seal)	

REEL: 026261 FRAME: 0762

DATE:		
	PAU	L MAFFUID
	Acknowle	dgment
State of California		
County of		
On	before me,	(insert name and title of the officer)
		(insert name and title of the officer)
subscribed to the within inst in his/her/their authorized ca	sis of satisfactory evid trument and acknowled apacity(ies), and that b	ence to be the person(s) whose name(s) is/are diged to me that he/she/they executed the same y his/her/their signature(s) on the instrument ne person(s) acted, executed the instrument.
I certify under PENALTY C foregoing paragraph is true		e laws of the State of California that the
WITNESS my hand and off	icial seal.	
Signature	(Seal)	·

DATE:		
	YUN	SHAN
State of California	Acknowled	lgment
County of		
On	before me,	(insert name and title of the officer)
subscribed to the within instr in his/her/their authorized ca	is of satisfactory evide rument and acknowled pacity(ies), and that by	ence to be the person(s) whose name(s) is/are ged to me that he/she/they executed the same whis/her/their signature(s) on the instrument e person(s) acted, executed the instrument.
I certify under PENALTY O foregoing paragraph is true a		e laws of the State of California that the
WITNESS my hand and offic	cial seal.	
Signature	(Seal)	

DATE:		
	WIL	LIAM L. BETTS, III
	Acknowle	edgment
State of California		
County of		
On	before me,	(insert name and title of the officer)
		(insert name and title of the officer)
subscribed to the within instrin his/her/their authorized cathe person(s), or the entity up	sis of satisfactory evice rument and acknowled apacity (ies), and that I pon behalf of which the PERJURY under the and correct.	Betts, III, dence to be the person(s) whose name(s) is/are edged to me that he/she/they executed the same by his/her/their signature(s) on the instrument the person(s) acted, executed the instrument. the laws of the State of California that the
Signature	(Seal)

REEL: 026261 FRAME: 0765

DATE: 26April Down 2.
DEAM WINDATE GIVEN, III
Acknowledgment
State of California
County of Jan Niego
On Apple 2011 before me, Darling & Vorsell Notary Sublice (insert name and title of the officer)
personally appeared <u>Deam Windgate Given, III</u> 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 William (Community Public - CALIFORNIA MY COMM. Exp. APR. 20, 2013

DATE:		
<u> </u>		N M. HART
	Acknowle	dgment
State of California		
County of)	
On	before me,	
		(insert name and title of the officer)
subscribed to the within in in his/her/their authorized	pasis of satisfactory evid estrument and acknowled capacity(ies), and that b	Hart, ence to be the person(s) whose name(s) is/are alged to me that he/she/they executed the same y his/her/their signature(s) on the instrument ne person(s) acted, executed the instrument.
I certify under PENALTY foregoing paragraph is true		e laws of the State of California that the
WITNESS my hand and or	fficial seal.	
Signature	(Seal)	

REEL: 026261 FRAME: 0767

DATE:		
		HI JESSE SHAO
	Acknowle	dgment
State of California		5
County of		
On	before me,	(insert name and title of the officer)
		(insert name and title of the officer)
subscribed to the within instrain his/her/their authorized cap the person(s), or the entity up	ument and acknowled pacity (ies), and that be bon behalf of which the PERJURY under the nd correct.	lence to be the person(s) whose name(s) is/are dged to me that he/she/they executed the same by his/her/their signature(s) on the instrument the person(s) acted, executed the instrument. The laws of the State of California that the
Signature	(Seal))

Assignment Page 9 of 9

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PATENT

REEL: 026261 FRAME: 0768

ASSIGNMENT

For valuable consideration, we, Lee Alani Selvey, of 12976 Cree Drive, Poway, CA 92064, ; Marlon Carlos, of 1924 Knightsferry Drive, Chula Vista, CA 91913; Paul Maffuid, of 3326 Avenida Anacapa, Carlsbad, CA 92009; Yun Shan, of 11429 Hone Ridge, San Diego, CA 92130; William L. Betts, III, of 4518 Patria Drive, San Diego, CA 92115; Deam Windate Given, III, of 3504 Caminito El Rincon, #2, San Diego, CA 92130; Ryan M. Hart, of 722 Shotwell St., Apt. #1, San Francisco, CA 94110; Zezhi Jesse Shao, of 11356 Saddle Cove Lane, San Diego, CA 92130; 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 <u>COMPOSITION OF A 5-HT2A SEROTONIN</u> RECEPTOR MODULATOR USEFUL FOR THE TREATMENT OF DISORDERS RELATED THERETO, filed $\frac{4}{28}/2011$, as a national stage of PCT application serial number PCT/US2009/005811 and assigned U.S. Serial Number 13/126, 564, 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.

Assignment Page 1 of 1

DATE:	·	
	LEE ALANI SELVEY	
	Acknowledgment	
State of California		
County of		
On	before me,	
	(insert name and title of the	officer)
who proved to me on t subscribed to the withi in his/her/their authoriz	Lee Alani Selvey, he basis of satisfactory evidence to be the person(s) whose n instrument and acknowledged to me that he/she/they exe zed capacity(ies), and that by his/her/their signature(s) on t tity upon behalf of which the person(s) acted, executed the	ecuted the same the instrument
I certify under PENAL foregoing paragraph is	TY OF PERJURY under the laws of the State of Californitrue and correct.	ia that the
WITNESS my hand an	d official seal.	
Signature	(Seal)	

DATE:	
	MARLON CARLOS
	Acknowledgment
State of California	
County of	
On	before me,
	(insert name and title of the officer)
subscribed to the within instr in his/her/their authorized ca	Marlon Carlos, as of satisfactory evidence to be the person(s) whose name(s) is/are ament and acknowledged to me that he/she/they executed the same facity(ies), and that by his/her/their signature(s) on the instrument on behalf of which the person(s) acted, executed the instrument.
I certify under PENALTY O foregoing paragraph is true a	PERJURY under the laws of the State of California that the ad correct.
WITNESS my hand and offic	ial seal.
Signature	(Seal)

DATE:		
	PAU	L MAFFUID
	Acknowle	dgment
State of California		
County of)	
On	before me,	•
		(insert name and title of the officer)
subscribed to the within ins in his/her/their authorized of the person(s), or the entity	asis of satisfactory evid strument and acknowled capacity(ies), and that b upon behalf of which the	ence to be the person(s) whose name(s) is/are alged to me that he/she/they executed the same by his/her/their signature(s) on the instrument he person(s) acted, executed the instrument. The laws of the State of California that the
foregoing paragraph is true	and correct.	
WITNESS my hand and of	ficial seal.	
Signature	(Seal)	

DATE:	•	
	YUN SHAN	
	Acknowledgment	
State of California		
County of	·	•
On	before me,	
	(insert nar	me and title of the officer)
subscribed to the within ins in his/her/their authorized of	Yun Shan, asis of satisfactory evidence to be the strument and acknowledged to me to capacity (ies), and that by his/her/the upon behalf of which the person(s)	hat he/she/they executed the same eir signature(s) on the instrument
I certify under PENALTY foregoing paragraph is true	OF PERJURY under the laws of the and correct.	e State of California that the
WITNESS my hand and of	ficial seal.	
Signature	(Seal)	

DATE:	
	WILLIAM L. BETTS, III
G. A. CO. I'C	Acknowledgment
State of California	
County of	
On	before me,
	(insert name and title of the officer)
subscribed to the within instrur in his/her/their authorized capa	William L. Betts, III, of satisfactory evidence to be the person(s) whose name(s) is/are ment and acknowledged to me that he/she/they executed the same acity(ies), and that by his/her/their signature(s) on the instrument in behalf of which the person(s) acted, executed the instrument.
I certify under PENALTY OF foregoing paragraph is true and	PERJURY under the laws of the State of California that the correct.
WITNESS my hand and officia	al seal.
Signature	(Seal)

DATE:		
	DEAM	M WINDATE GIVEN, III
	Acknowle	dgment
State of California		
County of		
On	before me,	
		(insert name and title of the officer)
subscribed to the within ins in his/her/their authorized of	asis of satisfactory evide strument and acknowled capacity(ies), and that by	the Given, III ence to be the person(s) whose name(s) is/are liged to me that he/she/they executed the same by his/her/their signature(s) on the instrument the person(s) acted, executed the instrument.
I certify under PENALTY foregoing paragraph is true		e laws of the State of California that the
WITNESS my hand and of	ficial seal.	
Signature	(Seal)	

RYAN M. HART

Acknowledgment

State of California

County of San Mateo

On Hild before me, September C. Plumber Notary flumble (insert name and title of the officer)

personally appeared Ryan M. Hart.

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 Stomber O Humla (Seal)

SEPTEMBER C. PLUMLEE
Commission # 1872576
Notary Public - California
San Mateo County
My Comm. Expires Jan 1, 2014

DATE:		
	ZEZ	CHI JESSE SHAO
	Acknowle	edgment
State of California		
County of		
On		
		(insert name and title of the officer)
subscribed to the within instrumin his/her/their authorized capac	of satisfactory evident and acknowled city(ies), and that	e Shao, dence to be the person(s) whose name(s) is/are edged to me that he/she/they executed the same by his/her/their signature(s) on the instrument the person(s) acted, executed the instrument.
I certify under PENALTY OF P foregoing paragraph is true and		he laws of the State of California that the
WITNESS my hand and official	l seal.	
Signature	(Seal	

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ASSIGNMENT

For valuable consideration, we, Lee Alani Selvey, of 12976 Cree Drive, Poway, CA 92064, ; Marlon Carlos, of 1924 Knightsferry Drive, Chula Vista, CA 91913; Paul Maffuid, of 3326 Avenida Anacapa, Carlsbad, CA 92009; Yun Shan, of 11429 Honey Ridge, San Diego, CA 92130; William L. Betts, III, of 4518 Patria Drive, San Diego, CA 92115; Deam Windate Given, III, of 3504 Caminito El Rincon, #2, San Diego, CA 92130; Ryan M. Hart, of 722 Shotwell St., Apt. #1, San Francisco, CA 94110; Zezhi Jesse Shao, of 11356 Saddle Cove Lane, San Diego, CA 92130; 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 COMPOSITION OF A 5-HT2A SEROTONIN RECEPTOR MODULATOR USEFUL FOR THE TREATMENT OF DISORDERS RELATED THERETO, filed 4/28/2011, as a national stage of PCT application serial number PCT/US2009/005811 and assigned U.S. Serial Number 13/126, 564, 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 Assignce may reasonably request to effectuate fully this assignment.

Assignment Page 1 of 9

PATENT REEL: 026261 FRAME: 0778

DATE:	
	LEE ALANI SELVEY
	Acknowledgment
State of California	
County of	
On	before me,(insert name and title of the officer)
	(insert name and title of the officer)
subscribed to the within instrument in his/her/their authorized capacity(the person(s), or the entity upon bel	atisfactory evidence to be the person(s) whose name(s) is/are and acknowledged to me that he/she/they executed the same ies), and that by his/her/their signature(s) on the instrument half of which the person(s) acted, executed the instrument. JURY under the laws of the State of California that the rect.
Signature	(Seal)

Assignment Page 2 of 9

PATENT REEL: 026261 FRAME: 0779

DATE:		
		LON CARLOS
	Acknowle	dgment
State of California		
County of)	
On	before me,	(insert name and title of the officer)
		(insert name and title of the officer)
subscribed to the within ins in his/her/their authorized of the person(s), or the entity	asis of satisfactory evidestrument and acknowled capacity(les), and that by upon behalf of which th	ence to be the person(s) whose name(s) is/are lged to me that he/she/they executed the same y his/her/their signature(s) on the instrument the person(s) acted, executed the instrument.
l certify under PENALTY foregoing paragraph is true		e laws of the State of California that the
WITNESS my hand and of	ficial seal.	
Signature	(Seal)	

Assignment Page 3 of 9

Assignment Page 4 of 9

DATE:		
	YUN SHAN	
	Acknowledgment	
State of California		
County of		
On	before me, (insert name and t	
	(insert name and t	itle of the officer)
subscribed to the within in in his/her/their authorized	Yun Shan, passis of satisfactory evidence to be the person strument and acknowledged to me that he/sh capacity(ies), and that by his/her/their signar upon behalf of which the person(s) acted, ex	ne/they executed the same ture(s) on the instrument
I certify under PENALTY foregoing paragraph is tru	OF PERJURY under the laws of the State of and correct.	f California that the
WITNESS my hand and c	fficial seal.	
Sionature	(Seal)	

Assignment Page 5 of 9

PATENT REEL: 026261 FRAME: 0782

DATE:		
	WII	LIAM L. BETTS, III
	Acknowl	edgment
State of California		
County of)	
On	before me,	(insert name and title of the officer)
		(insert name and title of the officer)
subscribed to the within instr in his/her/their authorized cap the person(s), or the entity up	is of satisfactory evicument and acknowled pacity (ies), and that bon behalf of which	dence to be the person(s) whose name(s) is/are edged to me that he/she/they executed the same by his/her/their signature(s) on the instrument the person(s) acted, executed the instrument.
I certify under PENALTY Of foregoing paragraph is true at		the laws of the State of California that the
WITNESS my hand and office	cial seal.	
Signature	(Sea	1)

Assignment Page 6 of 9

DATE:	
	DEAM WINDATE GIVEN, III
	Acknowledgment
State of California	
County of)
On	before me, (insert name and title of the officer)
	(insert name and title of the officer)
who proved to me on the bas subscribed to the within inst in his/her/their authorized ca the person(s), or the entity u	
Signatura	(Seal)

Assignment Page 7 of 9

DATE:	
	RYAN M. HART
	Acknowledgment
State of California	
County of	
On	before me,(insert name and title of the officer)
	(insert name and title of the officer)
subscribed to the within instrum in his/her/their authorized capac the person(s), or the entity upon	
Signature	(Seal)

Assignment Page 8 of 9

DATE:		
	ZEZHI JESSE SHAO	
State of California	Acknowledgment	
County of)	
On	before me, (insert name and title of the officer)	
	(insert name and title of the officer)	
subscribed to the within ins in his/her/their authorized of the person(s), or the entity		ne same ument nent.
Signature	(Scal)	
22/05052 4-		

Assignment Page 9 of 9

PATENT REEL: 026261 FRAME: 0786

ASSIGNMENT

For valuable consideration, we, Lee Alani Selvey, of 12976 Cree Drive, Poway, CA 92064, ; Marlon Carlos, of 1924 Knightsferry Drive, Chula Vista, CA 91913; Paul Maffuid, of 3326 Avenida Anacapa, Carlsbad, CA 92009; Yun Shan, of 11429 Honey Ridge, San Diego, CA 92130; William L. Betts, III, of 4518 Patria Drive, San Diego, CA 92115; Deam Windate Given, III, of 3504 Caminito El Rincon, #2, San Diego, CA 92130; Ryan M. Hart, of 722 Shotwell St., Apt. #1, San Francisco, CA 94110; Zezhi Jesse Shao, of 11356 Saddle Cove Lane. San Diego, CA 92130; 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 COMPOSITION OF A 5-HT2A SEROTONIN RECEPTOR MODULATOR USEFUL FOR THE TREATMENT OF DISORDERS RELATED THERETO, filed 4/28/2011, as a national stage of PCT application serial number PCT/US2009/005811 and assigned U.S. Serial Number $\frac{13}{126}$, $\frac{564}{126}$, 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.

Assignment Page 1 of 9

DATE:		
	LEE ALANI SELVEY	
State of California	Acknowledgment	
County of		
On		
	(insert name and title of the officer)	
subscribed to the within inst in his/her/their authorized ca the person(s), or the entity u	s of satisfactory evidence to be the person(s) whose name(s) is ament and acknowledged to me that he/she/they executed the spacity(ies), and that by his/her/their signature(s) on the instrument on behalf of which the person(s) acted, executed the instrument of PERJURY under the laws of the State of California that the	same ent
WITNESS my hand and off		
Signature	(Seal)	

DATE:	<u> </u>	
	MAR	LON CARLOS
State of California	Acknowle	dgment
County of	·)	
On	before me,	
•		(insert name and title of the officer)
subscribed to the within ins in his/her/their authorized c the person(s), or the entity t	asis of satisfactory evide strument and acknowled capacity(ies), and that by upon behalf of which th	rlos, ence to be the person(s) whose name(s) is/are liged to me that he/she/they executed the same y his/her/their signature(s) on the instrument le person(s) acted, executed the instrument. e laws of the State of California that the
foregoing paragraph is true		e laws of the State of California that the
WITNESS my hand and off	ficial seal.	
Signature	(Seal)	

DATE:		
	PAUL MAF	FUID
	Acknowledgme	ent
State of California		
County of)	
On	before me,	
	(inse	rt name and title of the officer)
subscribed to the within ins in his/her/their authorized of the person(s), or the entity to	asis of satisfactory evidence to strument and acknowledged to capacity(ies), and that by his/ho upon behalf of which the person	be the person(s) whose name(s) is/are me that he/she/they executed the same er/their signature(s) on the instrument on(s) acted, executed the instrument. of the State of California that the
foregoing paragraph is true		·
WITNESS my hand and of	ficial seal.	
Signature	(Seal)	, (

DATE: Alighail YUN SHAN
Acknowledgment State of California
County of <u>San Diego</u>
On 04 19 2011 before me, Tyler Booth, Notary Public (insert name and title of the officer)
personally appeared Yun Shan, 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)
TYLER BOOTH Commission # 1740968 Notary Public - California San Diego County MyComm. Expires Apr 22, 2011

DATE:		
	WILLIAM L. BETTS, III	
State of California	Acknowledgment	
County of		
On	before me,	
	(insert name and title of the officer)	
who proved to me on the besubscribed to the within in in his/her/their authorized the person(s), or the entity	William L. Betts, III, sis of satisfactory evidence to be the person(s) whose name(s trument and acknowledged to me that he/she/they executed the apacity(ies), and that by his/her/their signature(s) on the instru- typon behalf of which the person(s) acted, executed the instrument.	ne same ument nent.
foregoing paragraph is true	OF PERJURY under the laws of the State of California that the and correct.	ıe
WITNESS my hand and o	icial seal.	
Signature	(Seal)	

DATE:		
	DEAM WINDATE GIVEN, III	
State of California	Acknowledgment	
State of Camornia		
County of		
On	before me,	
	(insert name and title of the officer)	
who proved to me on the basubscribed to the within ins in his/her/their authorized c	Deam Windgate Given, III sis of satisfactory evidence to be the person(s) whose name(s rument and acknowledged to me that he/she/they executed th pacity(ies), and that by his/her/their signature(s) on the instru- con behalf of which the person(s) acted, executed the instrum	ie same ument
I certify under PENALTY (foregoing paragraph is true	F PERJURY under the laws of the State of California that the and correct.	e
WITNESS my hand and off	cial seal.	
Signature	(Seal)	

DATE:		
 	RYA	N M. HART
	Acknowle	dgment
State of California	,	
County of		
On	before me,	(insert name and title of the officer)
		(insert name and title of the officer)
subscribed to the within ins in his/her/their authorized of	asis of satisfactory evide strument and acknowled capacity(ies), and that by	Hart, ence to be the person(s) whose name(s) is/are lged to me that he/she/they executed the same y his/her/their signature(s) on the instrument e person(s) acted, executed the instrument.
I certify under PENALTY foregoing paragraph is true		e laws of the State of California that the
WITNESS my hand and of	ficial seal.	
Signature	(Seal)	

DATE:	
	ZEZHI JESSE SHAO
	Acknowledgment
State of California	
County of	·
On	before me, (insert name and title of the officer)
	(insert name and title of the officer)
who proved to me on the subscribed to the within in his/her/their authorize the person(s), or the enti	
Signature	(Seal)

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Assignment Page 9 of 9

PATENT REEL: 026261 FRAME: 0795