

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4518083

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	ASHWIN M. KRISHNAN	06/08/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ARENA PHARMACEUTICALS, INC.	
<b>Street Address:</b>	6154 NANCY RIDGE DRIVE	
<b>City:</b>	SAN DIEGO	
<b>State/Country:</b>	CALIFORNIA	
<b>Postal Code:</b>	92121	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	15401756
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(412)281-0717	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	(412) 454-5000	
<b>Email:</b>	docketingpgh@pepperlaw.com	
<b>Correspondent Name:</b>	PEPPER HAMILTON LLP	
<b>Address Line 1:</b>	500 GRANT STREET	
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<b>ATTORNEY DOCKET NUMBER:</b>	142956.03021	
<b>NAME OF SUBMITTER:</b>	N. NICOLE STAKLEFF, REG. NO. 50229	
<b>SIGNATURE:</b>	/N. Nicole Stakleff/	
<b>DATE SIGNED:</b>	07/25/2017	
<b>Total Attachments: 4</b>		
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## A S S I G N M E N T

WHEREAS, I, ASHWIN M. KRISHNAN (hereinafter "Assignor"), am an inventor of a certain new and useful invention(s) as set forth and disclosed in the patent application(s) listed in Schedule A attached hereto (hereinafter the "Invention"):

WHEREAS, ARENA PHARMACEUTICALS, INC., having an address of 6154 Nancy Ridge Drive, San Diego, CA 92121 (hereinafter "Assignee"), is desirous of acquiring Assignor's entire right, title and interest in and to said Invention and in and to any and all Letters Patent of the United States and foreign countries that may be obtained therefor.

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, at least as of April 2, 2008, Assignor does hereby confirm Assignor's previous assignment and does hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns, Assignor's entire right, title and interest in and to said Invention as set forth in the scheduled application(s), including any applications which claim priority to the scheduled application(s), any application(s) to which the scheduled application(s) claim priority, and any continuations, continuations-in-part, divisions, registrations, reissues, re-examinations or extensions thereof, whether in the U.S. or any foreign country, and in and to any and all patents of the United States and foreign countries which may be issued for said Invention;

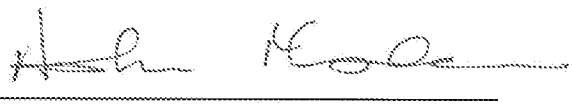
AND for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, Assignor does hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns all rights to claim priority rights deriving from the Invention and scheduled application(s); all causes of action and remedies related to the Invention and scheduled application(s) (including, without limitation, the right to sue for past, present, or future infringement, misappropriation or violation of rights related to any of the foregoing and the right to collect royalties and other payments under or on account of any of the foregoing); and any and all other rights and interests arising out of, in connection with, or in relation to the Invention and scheduled application(s).

UPON SAID CONSIDERATION, Assignor shall not execute any writing or do any act whatsoever conflicting with the terms and conditions of this Assignment, and that Assignor will, at any time upon request, without further or additional consideration, but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect Assignee's enjoyment of this grant, and render all necessary assistance in making application for or obtaining original patents or applications, continuations, continuations-in-part, divisions, registrations, reissues, re-examinations or extensions thereof, whether in the U.S. or any foreign country, for said Invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any and all proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the assigns and legal representatives of Assignor and Assignee.

The undersigned hereby grant(s) the firm of PEPPER HAMILTON LLP the power to insert on this Assignment any further identification, including the country, application

number, filing date and/or title, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office or other patent office for recordation of this document; and

The undersigned requests that any patents that may be issued for said Invention be issued to said Assignee, its legal representatives, successors or assigns, as an owner of my entire right, title and interest in and to said patent and the Invention covered thereby.

Date: June 08 2017Assignor: 

Ashwin M. Krishnan

ACKNOWLEDGMENT

STATE OF California  
 COUNTY OF San Diego

SS:

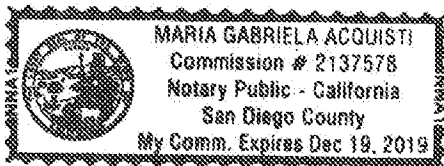
On this 8<sup>th</sup> day of June, 2017, before me, a Notary Public, the undersigned officer, personally appeared ASHWIN M. KRISHNAN, to me known (or satisfactorily proven) to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public

MG Acquisti

My commission expires

19 Dec 2019

## SCHEDULE A

Country	Patent Application No.	Filing Date	Title
US	61/072,697	April 2, 2008	PROCESSES FOR THE PREPARATION OF PYRAZOLE DERIVATIVES USEFUL AS MODULATORS OF THE 5-HT <sub>2A</sub> SEROTONIN RECEPTOR
WO	PCT/US2009/02019	April 1, 2009	PROCESSES FOR THE PREPARATION OF PYRAZOLE DERIVATIVES USEFUL AS MODULATORS OF THE 5-HT <sub>2A</sub> SEROTONIN RECEPTOR
US	12/936,038	October 1, 2010	PROCESSES FOR THE PREPARATION OF PYRAZOLE DERIVATIVES USEFUL AS MODULATORS OF THE 5-HT <sub>2A</sub> SEROTONIN RECEPTOR
US	14/523,224	October 24, 2014	PROCESSES FOR THE PREPARATION OF PYRAZOLE DERIVATIVES USEFUL AS MODULATORS OF THE 5-HT <sub>2A</sub> SEROTONIN RECEPTOR
US	15/401,756	January 9, 2017	PROCESSES FOR THE PREPARATION OF PYRAZOLE DERIVATIVES USEFUL AS MODULATORS OF THE 5-HT <sub>2A</sub> SEROTONIN RECEPTOR

Agreed and accepted:

ARENA PHARMACEUTICALS, INC.

Date: 21 July 2017Assignee: SKartes

By:

Title:

**Shannon Carter**  
Head of Intellectual PropertyACKNOWLEDGMENTSTATE OF California )  
COUNTY OF San Diego ) SS:

On this 21<sup>st</sup> day of July, 2017, before me, a Notary Public, the undersigned officer, personally appeared Shannon Carter, to me known (or satisfactorily proven) to be the person named in and who executed the above instrument, and acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

SEAL

Notary Public

M. Acquisti

My commission expires

19 Dec 2019