505854355 01/08/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ERIC M. GORDON	10/11/2019
MATTHEW A.J. DUNCTON	01/03/2020
JOHN FREUND	10/11/2019

RECEIVING PARTY DATA

Name:	ARIXA PHARMACEUTICALS, INC.	
Street Address:	525 UNIVERSITY AVE., SUITE 1350	
City:	PALO ALTO	
State/Country:	CALIFORNIA	
Postal Code:	94301	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16589498

CORRESPONDENCE DATA

Fax Number:

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.

Email: ksiersema@sheppardmullin.com, svpatents@sheppardmullin.com

Correspondent Name: SHEPPARD MULLIN RICHTER & HAMPTON LLP

Address Line 1: 379 LYTTON AVE.

Address Line 4: PALO ALTO, CALIFORNIA 94301

ATTORNEY DOCKET NUMBER:	57SK-302295
NAME OF SUBMITTER:	KRYSTLE SIERSEMA
SIGNATURE:	/Krystle Siersema/
DATE SIGNED:	01/08/2020

Total Attachments: 3

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PATENT 505854355 REEL: 051456 FRAME: 0328

ASSIGNMENT

Eric M. Gordon Matthew A.J. Duncton John Freund

For good and valuable consideration, receipt of which is hereby acknowledged, the undersigned agree(s) to and hereby do(es) sell, assign, transfer and set over to:

Arixa Pharmaceuticals, Inc.

Corporation, Delaware, U.S.A.

located at 525 University Ave., Suite 1350, Palo Alto CA 94301, U.S.A. (hereinafter designated as the Assignee) the entire worldwide right, title, and interest in and to all inventions and subject matter contained in

DERIVATIVES OF RELEBACTAM AND USES THEREOF

and in any and all patent applications that have been filed or shall be filed in the United States and in all foreign countries that contain or are amended to contain therein claims to any of said inventions or subject matter (whether said patent applications are related or unrelated by right of priority), including any and all continuations, divisions, substitutes, reexaminations, reissues, continuations-in-part and extensions; and in any and all patents and legal protections that have been obtained or shall be obtained in the United States and in all foreign countries for said inventions or subject matter, and in any and all causes of action, past and future, and damages accruing in connection therewith.

- 1) The undersigned agree(s) to execute all papers necessary or deemed expedient by the Assignee, including all oaths, declarations, assignments, and powers of attorney, in connection with the application, with any and all patent applications that have been filed or shall be filed in the United States and in all foreign countries that contain or are amended to contain therein any of said inventions or subject matter (whether said patent applications are related or unrelated by right of priority), including any and all continuations, divisions, substitutes, reexaminations, reissues, and extensions, with any and all patents and legal protections that have been obtained or shall be obtained in the United States and in all foreign countries, and with any and all causes of action, past and future, and damages accruing in connection therewith.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference, derivative proceeding, reexamination, opposition, post grant proceeding, and any other legal proceeding or cause of action which may be declared concerning this application, any and all patent applications that have been filed or shall be filed in the United States and in all foreign countries that contain or are amended to contain therein any of said inventions or subject matter (whether said patent applications are related or unrelated by right of priority), including any and all continuations, divisions, substitutes, reexaminations, reissues, and extensions, and any and all patents and legal protections that have been obtained or shall be obtained in the United States and in all foreign countries, and to cooperate with the Assignee in every way possible in obtaining evidence, including evidence of conception, reduction to practice and/or inventorship as needed.
- 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of any valid United States patent or patent in any foreign country to the Assignee.
- 5) The undersigned hereby authorize(s) and request(s) the Commissioner for Patents and the duly constituted authorities of foreign countries to issue any and all Letters Patents to the Assignce, its successors and assigns, as Assignee of the entire right, title and interest resulting from said application, and any and all patent applications that have been filed or shall be filed in the United States and in all foreign countries that contain or are amended to contain therein any of said inventions or subject matter (whether said patent applications are related or unrelated by right of priority), including any and all continuations, divisions, substitutes, reexaminations, reissues, and extensions, and hereby covenant(s) that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.
- 6) The undersigned hereby grants Sheppard Mullin Richter & Hampton LLP the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date	oct 1-2019	C. V.
Malek		Eric M. Gordon
Date	10/6/2019	Matthew A.J. Duncton
r car c		John Freund

- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of any valid United States patent or patent in any foreign country to the Assignce.
- 5) The undersigned hereby authorize(s) and request(s) the Commissioner for Patents and the duly constituted authorities of foreign countries to issue any and all Letters Patents to the Assignee, its successors and assigns, as Assignee of the entire right, title and interest resulting from said application, and any and all patent applications that have been filed or shall be filed in the United States and in all foreign countries that contain or are amended to contain therein any of said inventions or subject matter (whether said patent applications are related or unrelated by right of priority), including any and all continuations, divisions, substitutes, reexaminations, reissues, and extensions, and hereby covenant(s) that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.
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Date		Eric M. Gordon
Date <u>JANUANY 03, 2e</u>	JANUARY 03 2020	Mouse
	,	Matthew A.J. Duncton
Date		
		Inha Frank