

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5806430

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
FLAGSHIP PIONEERING, INC.	02/14/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	RUBIUS THERAPEUTICS, INC.
<b>Street Address:</b>	325 VASSAR ST SUITE 1A
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02139
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16207568
<b>Application Number:</b>	16574830
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)395-7070
<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>	(617) 395-7000
<b>Email:</b>	HRKPatents@LALaw.com
<b>Correspondent Name:</b>	LANDO & ANASTASI, LLP
<b>Address Line 1:</b>	RIVERFRONT OFFICE PARK
<b>Address Line 2:</b>	ONE MAIN STREET, SUITE 1100
<b>Address Line 4:</b>	CAMBRIDGE, MASSACHUSETTS 02142
<b>ATTORNEY DOCKET NUMBER:</b>	R2081-702022/702023FT
<b>NAME OF SUBMITTER:</b>	HANNAH R. KOYFMAN
<b>SIGNATURE:</b>	/Hannah R. Koyfman/
<b>DATE SIGNED:</b>	11/06/2019
<b>Total Attachments: 3</b>	
source=R2081-702020FT Executed Assignment Flagship to Rubius#page1.tif	
source=R2081-702020FT Executed Assignment Flagship to Rubius#page2.tif	
source=R2081-702020FT Executed Assignment Flagship to Rubius#page3.tif	

**ASSIGNMENT**

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the undersigned **FLAGSHIP PIONEERING, INC.**, a Delaware corporation having a place of business at 55 Cambridge Parkway, Suite 800E, Cambridge, MA 02142, hereby:

Sells, assigns and transfers to **RUBIUS THERAPEUTICS, INC.**, a Delaware corporation having a place of business at 325 Vassar St Suite 1A, Cambridge, Massachusetts 02139, its successors, assigns and legal representatives, all hereinafter referred to as said Assignee, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions which are disclosed in an application for Letters Patent filed in the United States Patent and Trademark Office on:

**January 11, 2017**

ENTER FILING DATE ABOVE

under Application Serial No. **PCT/US2017/013035** and

Entitled **COMPOSITIONS AND METHODS RELATED TO MULTIMODAL  
THERAPEUTIC CELL SYSTEMS FOR CANCER INDICATIONS,**

and

**September 26, 2017**

ENTER FILING DATE ABOVE

under Application Serial No. **15/716,141** and

Entitled **COMPOSITIONS AND METHODS RELATED TO MULTIMODAL  
THERAPEUTIC CELL SYSTEMS FOR CANCER INDICATIONS,**

and in and to said application and all continuing, divisional, substitute, renewal, reissue and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries that claim priority to said application; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said any and all applications including the right to apply for patent rights in each foreign country and all rights to priority; and further including any right to sue for past infringement;

Appoint, authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting in the spaces provided above the filing date and serial number of said application when known;

Agree that said Assignee may apply for and receive Letters Patent for said any and all inventions in its own name; and when requested, without charge to but at the expense of said Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all divisional, continuing, substitute, renewal, reissue, and all other patent applications on said any and all inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to said Assignee all facts known to relating to said any and all inventions and the history thereof, and generally by doing everything reasonably possible which said Assignee shall consider desirable for aiding in securing and maintaining proper patent protection for said any and all inventions and for vesting title to said any and all inventions and all applications for patents and all patents on said inventions, in said Assignee;

Request the Honorable Commissioner of Patents and Trademarks to issue said Letters Patent to said Assignee; and

Covenant with said Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me.

Said Assignee does hereby acknowledge and accept the above sale, assignment and transfer of all the rights, title and interest enumerated above, including but not limited to the right to priority and the right to sue for past infringement.

By: RUBIUS THERAPEUTICS, INC.

March 14, 2018  
Date

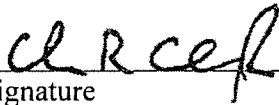
Mark Boshart  
Signature

MARK BOSHAZ  
Printed Name of Signor

VICE PRESIDENT, LEGAL AFFAIRS  
Title/Authority of Signor

FLAGSHIP PIONEERING, INC.

2-14-18  
Date

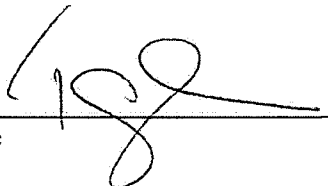
  
Signature

Chuck Carelli  
Printed Name of Signor

Chief Financial Officer  
Title/Authority of Signor

Witness:

2/14/18  
Date

  
Signature