

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4696017

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST

**CONVEYING PARTY DATA**

Name	Execution Date
RECRO PHARMA, INC.	11/17/2017

**RECEIVING PARTY DATA**

<b>Name:</b>	ATHYRIUM OPPORTUNITIES III ACQUISITION LP
<b>Street Address:</b>	530 FIFTH AVENUE, FLOOR 25
<b>Internal Address:</b>	C/O ATHYRIUM CAPITAL MANAGEMENT LP
<b>City:</b>	NEW YORK
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10036

**PROPERTY NUMBERS Total: 10**

Property Type	Number
Patent Number:	9795559
Application Number:	15702319
Patent Number:	8470862
Patent Number:	9078883
Patent Number:	9446025
Patent Number:	7759496
Patent Number:	8148398
Patent Number:	8592451
Patent Number:	9220700
Patent Number:	9156826

**CORRESPONDENCE DATA**

**Fax Number:** (704)378-2057

*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.*

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**Address Line 1:** 3015 CARRINGTON MILL BOULEVARD, STE 400

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**Address Line 4:** RESEARCH TRIANGLE PA, NORTH CAROLINA 27709

PATENT

<b>ATTORNEY DOCKET NUMBER:</b>	036251.000040
<b>NAME OF SUBMITTER:</b>	PETER B. STEWART
<b>SIGNATURE:</b>	/Peter B. Stewart/
<b>DATE SIGNED:</b>	11/17/2017
<b>Total Attachments: 4</b> source=Executed-patent-Notices-Recro_Pharma#page1.tif source=Executed-patent-Notices-Recro_Pharma#page2.tif source=Executed-patent-Notices-Recro_Pharma#page3.tif source=Executed-patent-Notices-Recro_Pharma#page4.tif	

NOTICE  
OF  
GRANT OF SECURITY INTEREST  
IN  
PATENTS

United States Patent and Trademark Office

Ladies and Gentlemen:

Please be advised that pursuant to the Security Agreement dated as of November 17, 2017 (as the same may be amended, modified, restated or supplemented from time to time, the "Security Agreement") by and among the Grantors party thereto (each a "Grantor" and collectively, the "Grantors") and Athyrium Opportunities III Acquisition LP, as Administrative Agent (the "Administrative Agent") for the Secured Parties referenced therein, the undersigned Grantor has granted a continuing security interest in and continuing lien upon, the patents, patent licenses and patent applications set forth on Schedule 1 attached hereto to the Administrative Agent for the ratable benefit of the Secured Parties.

The undersigned Grantor and the Administrative Agent, on behalf of the Secured Parties, hereby acknowledge and agree that the security interest in the patents, patent licenses and patent applications set forth on Schedule 1 attached hereto (i) may only be terminated in accordance with the terms of the Security Agreement, (ii) is not to be construed as an assignment of any patent, patent license or patent application.

[Signature pages follow]

Very truly yours,

RECRO PHARMA, INC.,  
a Pennsylvania corporation

By: 

Name: Ryan Lake

Title: Senior Vice President of Finance  
and Chief Accounting Officer

NOTICE OF GRANT OF SECURITY INTEREST IN PATENTS -- Recro Pharma, Inc.  
RECRO PHARMA, INC.

**PATENT**  
**REEL: 044166 FRAME: 0011**

Acknowledged and Accepted:

ATHYRIUM OPPORTUNITIES III ACQUISITION LP,  
a Delaware limited partnership, as Administrative Agent

By: Athyrium Opportunities Associates III LP, its General Partner

By: Athyrium Opportunities Associates III GP LLC, the General  
Partner of Athyrium Opportunities Associates III LP

By: \_\_\_\_\_

Name:

Title:

  
Andrew C. Hyman

Authorized Signatory

**Schedule 1**

**Recro Pharma, Inc.  
(Pennsylvania corporation)**

**U.S. Patents**

**U.S. Patents Owned by Recro Pharma, Inc.**

<b><u>Patent No.</u></b>	<b><u>Application No.</u></b>	<b><u>Filing Date</u></b>	<b><u>Owner</u></b>
9,795,559	13/711,407	12/11/12	Recro Pharma, Inc.
	15/702,319	9/12/17	Recro Pharma, Inc.
8,470,862	13/096,387	4/28/11	Recro Pharma, Inc.
9,078,883	13/925,271	6/24/13	Recro Pharma, Inc.
9,446,025	14/738,717	6/12/15	Recro Pharma, Inc.
7,759,496	10/537,622	3/29/06	Recro Pharma, Inc.

**Patent Licenses - U.S. Patents Licensed to Recro Pharma, Inc.**

Administrative Agent is taking a security interest in Grantor's rights as licensee to the following patents:

<b><u>Patent No.</u></b>	<b><u>Application No.</u></b>	<b><u>Filing Date</u></b>	<b><u>Owner</u></b>	<b><u>Licensee</u></b>
8,148,398	11/951,114	12/5/07	Cornell Research Foundation, Inc.	Recro Pharma, Inc.
8,592,451	13/257,214	12/12/11	Cornell University	Recro Pharma, Inc.
9,220,700	13/391,154	5/7/12	Cornell University	Recro Pharma, Inc.
9,156,826	14/411,060	12/23/14	Cornell University	Recro Pharma, Inc.