

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ALLEN RADIN	09/03/2014
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	REGENERON PHARMACEUTICALS, INC.
<b>Street Address:</b>	777 OLD SAW MILL RIVER ROAD
<b>City:</b>	TARRYTOWN
<b>State/Country:</b>	NEW YORK
<b>Postal Code:</b>	10591-6707
<b>PROPERTY NUMBERS Total: 2</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13648521
<b>Application Number:</b>	14350973
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	SA9-018; SA9-018US
<b>NAME OF SUBMITTER:</b>	SEAN M. COUGHLIN, ESQ.
<b>SIGNATURE:</b>	/Sean M. Coughlin/
<b>DATE SIGNED:</b>	03/06/2015
<b>Total Attachments: 1</b>	
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## ASSIGNMENT AND AGREEMENT

Effective as of 11 October 2011, for value received and intending to be legally bound, I/we, the undersigned joint inventor(s) (Assignor(s)), sell, assign and transfer to REGENERON PHARMACEUTICALS INC, 777 Old Saw Mill River Rd, TARRYTOWN NY New York 10591-6707, United States of America, and its successors, assigns and legal representatives, the entire right, title and interest in and to the invention and any improvements thereon for all countries of the world, relating in and to the applications for letters patents therefore, assigned Attorney docket No. US2011/131, and entitled

COMPOSITIONS FOR THE TREATMENT OF RHEUMATOID ARTHRITIS AND METHODS OF USING SAME

and for all patent applications which claim priority to or are derived from said priority applications:

Priority Application Filing Date: 11 October 2011

Priority Application No.: US No. 61/545,864

Priority Application Filing Date: 20 July 2012

Priority Application No.: EP 12305889.3

and all the rights and privileges, including any and all benefits under the International Convention for the Protection of Industrial Property, including the right to claim priority based on the above applications, and under any and all Letters Patent which may be granted therefore, and all right, title and interest in and to every patent application filed or to be filed on said invention in any other country or patent organization, including continuations, divisions, renewals, revivals, and any substitute applications of said priority application, and any and all patents which may issue thereon, and any reissues, pipelines and extensions, and governmental exclusivity rights of the same.

We authorize and request competent authorities to grant and issue any and all patents on said invention to said assignee or its successor, assigns and legal representatives, or to such nominees as said assignee may designate.

We agree that, when requested, we will, without charge to said assignee but at its expense, sign all papers, take all rightful oaths, and do all acts which may be necessary, desirable or convenient for securing and maintaining patents for said invention in any and all countries and for vesting title thereto in said assignee, its successors, assigns, legal representatives or nominees.

We covenant with said assignee, its successors, assigns and legal representatives, that the rights and property herein conveyed are free and clear of any encumbrance, and that we have full right to convey the same as herein expressed.

Signed at Tarrytown, New York, USA on this 3rd day of September, 2017  
(City, State and Nation)

Signature: Allen Radin

Inventor's Name: RADIN Allen

Residential Address: REGENERON PHARMACEUTICALS INC  
777 Old Saw Mill River Rd  
TARRYTOWN NY New York  
10591-6707  
United States of America

Sworn to before me on this day 3rd of September 2014

Janece A. White  
JANICE A. WHITE  
Notary Public - State of New York  
No. 81W5522904  
Qualified in Rockland County  
My Commission Expires 12-30-2019

RECORDED: 09/10/2014

RECORDED: 03/06/2015

PATENT  
REEL: 033711 FRAME: 0905  
PATENT

REEL: 035098 FRAME: 0852