

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	RICHARD D. CALDWELL	07/10/2016
RECEIVING PARTY DATA		
Name:	BIOGEN MA INC.	
Street Address:	250 BINNEY STREET	
City:	CAMBRIDGE	
State/Country:	MASSACHUSETTS	
Postal Code:	02142	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Patent Number:	9340527
CORRESPONDENCE DATA		
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<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>		
Phone:	(617) 449-6532	
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Correspondent Name:	MCCARTER & ENGLISH, LLP	
Address Line 1:	265 FRANKLIN STREET	
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ATTORNEY DOCKET NUMBER:	123429-01303	
NAME OF SUBMITTER:	XIN ZHANG	
SIGNATURE:	/Xin Zhang/	
DATE SIGNED:	11/15/2016	
Total Attachments: 2		
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ASSIGNMENT

For valuable consideration, I, Richard D. Caldwell, of Brookline, Massachusetts, along with Jermaine Thomas, of Chelsea, Massachusetts; Sha Mi, of Belmont, Massachusetts, Edward Yin-Shiang Lin, of Ashland, Massachusetts, Guo Zhu Zheng, of Lexington, Massachusetts, Bin Ma, of Arlington, Massachusetts, Kevin Guckian, of Northborough, Massachusetts, and Gnanasambandam Kumaravel, of Lexington, Massachusetts, hereby assign to Biogen MA Inc., a corporation of Massachusetts having a place of business at:

250 Binney Street
Cambridge, Massachusetts 02142,

and its successors and assigns (collectively hereinafter called "the Assignee"), our entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent entitled S1P MODULATING AGENTS, filed January 8, 2014 and December 23, 2015, and assigned U.S. Serial Numbers 13/983,489 and 14/757,822, this assignment including said application, any and all United States and foreign utility patents and patent applications, including continuation, continuation-in-part, divisional, reissue, and reexamination applications, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

DATE: 7-10-16



Richard D. Caldwell

Witness Signature: _____
Witness Printed Name: _____

Date: _____

Witness Signature: _____
Witness Printed Name: _____

Date: _____