

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5957946

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	NOVARTIS AG	02/07/2020
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	GLAXOSMITHKLINE BIOLOGICALS SA	
<b>Street Address:</b>	RUE DE L'INSTITUT 89	
<b>City:</b>	RIXENSART	
<b>State/Country:</b>	BELGIUM	
<b>Postal Code:</b>	1330	
<b>PROPERTY NUMBERS Total: 1</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	15128851	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<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>		
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<b>ATTORNEY DOCKET NUMBER:</b>	30382-20190.00	
<b>NAME OF SUBMITTER:</b>	OTIS LITTLEFIELD	
<b>SIGNATURE:</b>	/Otis Littlefield/	
<b>DATE SIGNED:</b>	02/11/2020	
<b>Total Attachments: 1</b>		
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**CONFIRMATORY ASSIGNMENT**


WE, **NOVARTIS AG** a company limited by shares duly incorporated in Switzerland and whose registered office is at Lichtstrasse 35, 4056 Basel, Switzerland do hereby declare that we are the sole owner of the following patents/ patent applications entitled "USES OF PARASITE MACROPHAGE MIGRATION INHIBITORY FACTORS".

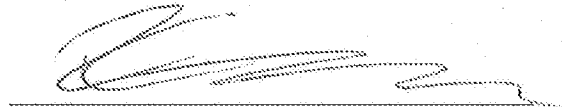
Country	Application Date	Application Number
European Patent Convention	25-Mar-14	14161614.4
PCT	24-Mar-14	PCT/EP2015/056310
United States	24-Mar-14	15/128851

And in accordance with the Intellectual Property Assignment Agreement dated 2 March 2015 between **NOVARTIS AG** and **GLAXOSMITHKLINE BIOLOGICALS SA**, for good and valuable consideration, the receipt of which is hereby acknowledged, we **NOVARTIS AG** have assigned the entire right, title and interest and from which priority may be claimed from one or more applications, or any division, continuation and continuation-in-part of said application to in and to said patent application and all countries in which this/ these application(s) are filed to **GLAXOSMITHKLINE BIOLOGICALS SA** of Rue de l'Institut 89, 1330 Rixensart, Belgium

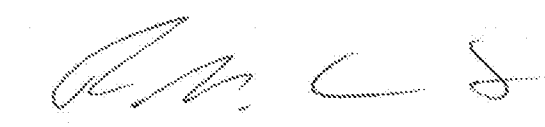
Dated this 07 day of February 2020.

Signed for and on behalf of  
**NOVARTIS AG**

  
**Marcus J W DALTON**  
Authorized Signatory on behalf of  
**NOVARTIS AG**

  
**Richard L EASEMAN**  
Authorized Signatory on behalf of  
**NOVARTIS AG**

Signed for and on behalf of  
**GLAXOSMITHKLINE BIOLOGICALS SA**

  
**Rachel M THORNLEY**  
Authorized Official on behalf of  
**GLAXOSMITHKLINE BIOLOGICALS SA**

**PATENT**