

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT7693140

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	NOVARTIS AG	03/18/2016
RECEIVING PARTY DATA		
Name:	GLAXOSMITHKLINE BIOLOGICALS SA	
Street Address:	RUE DE L'INSTITUT 89	
City:	RIXENSART	
State/Country:	BELGIUM	
Postal Code:	1330	
PROPERTY NUMBERS Total: 6		
Property Type	Number	
Application Number:	18080150	
Application Number:	18080164	
Application Number:	18065256	
Application Number:	18065243	
Application Number:	18065267	
Application Number:	18065230	
CORRESPONDENCE DATA		
Fax Number:	(610)917-6934	
<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:	6109177817	
Email:	US_CIPKOP@GSK.COM	
Correspondent Name:	GLAXOSMITHKLINE	
Address Line 1:	1250 SOUTH COLLEGEVILLE ROAD	
Address Line 2:	UP4110	
Address Line 4:	COLLEGEVILLE, PENNSYLVANIA 19426	
ATTORNEY DOCKET NUMBER:	VN54240C3,C4,C5,C7,C8,C9	
NAME OF SUBMITTER:	LILLIAN GLENN	
SIGNATURE:	/Lillian Glenn/	
DATE SIGNED:	12/14/2022	

Total Attachments: 4

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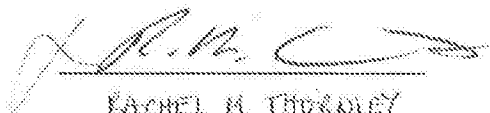
CONFIRMATORY ASSIGNMENT

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 patents/applications listed on the attached Schedule 1 and entitled IMMUNISATION OF LARGE MAMMALS WITH LOW DOSES OF RNA.

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 18 MAR 2016

Signed for and on behalf of
NOVARTIS AG



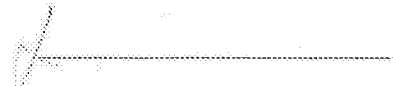
RACHEL H. THORPEY
Authorized Signatory on behalf of
NOVARTIS AG



KAREN A. CRAVET
Authorized Signatory on behalf of
NOVARTIS AG

Dated this _____

Signed for and on behalf of
GLAXOSMITHKLINE BIOLOGICALS SA



Attorney and Authorized Official on behalf of
GLAXOSMITHKLINE BIOLOGICALS SA

VN54240

SCHEDULE 1

Country	Application Number	Application Date
Canada	2804492	06-Jul-11
European Patent Convention	11736497.6	06-Jul-11
Japan	2013-518811	06-Jul-11
United States	13/808153	06-Jul-11

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Dated this _____

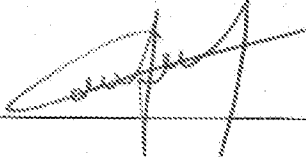
Signed for and on behalf of
NOVARTIS AG

Authorized Signatory on behalf of
NOVARTIS AG

Authorized Signatory on behalf of
NOVARTIS AG

Dated this 21 MAR 2016

Signed for and on behalf of
GLAXOSMITHKLINE BIOLOGICALS SA



Attorney and Authorized Official on behalf of
GLAXOSMITHKLINE BIOLOGICALS SA

VN54240

SCHEDULE 1

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