

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT6667357

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	NOVARTIS AG	06/15/2016
RECEIVING PARTY DATA		
Name:	GLAXOSMITHKLINE BIOLOGICALS SA	
Street Address:	RUE DE L'INSTITUT 89	
City:	RIXENSART	
State/Country:	BELGIUM	
Postal Code:	B-1330	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	15691042	
CORRESPONDENCE DATA		
Fax Number:		
<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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Correspondent Name:	GLAXOSMITHKLINE GLOBAL PATENTS UP4110	
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Address Line 4:	COLLEGEVILLE, PENNSYLVANIA 19426	
ATTORNEY DOCKET NUMBER:	VN54244D1 US	
NAME OF SUBMITTER:	ABIGAIL HEDLEY	
SIGNATURE:	/Abigail Hedley/	
DATE SIGNED:	04/21/2021	
Total Attachments: 2		
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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT3929752

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	NOVARTIS AG	06/15/2016
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: 1		
Property Type	Number	
Application Number:	13808087	
CORRESPONDENCE DATA		
Fax Number:	(610)270-6812	
<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:	6102706812	
Email:	us_cipkop@gsk.com	
Correspondent Name:	GLAXOSMITHKLINE	
Address Line 1:	709 SWEDELAND ROAD	
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Address Line 4:	KING OF PRUSSIA, PENNSYLVANIA 19406	
ATTORNEY DOCKET NUMBER:	VN54244	
NAME OF SUBMITTER:	CARLY MORROW	
SIGNATURE:	/Carly Morrow/	
DATE SIGNED:	06/22/2016	
Total Attachments: 1		
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CONFIRMATORY ASSIGNMENT

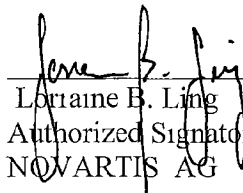
WE, **NOVARTIS AG** a company limited by shares duly incorporated in Switzerland and whose registered office is at Lichtstrasse 35, 4056 Basel, Switzerland do hereby declare that we are the sole owner of the following patents/ patent applications entitled "DELIVERY OF RNA TO DIFFERENT CELL TYPES".

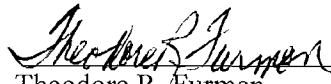
Country	Application Date	Application Number
European Patent Convention	06-Jul-11	11736498 4
United States	06-Jul-11	13/808087

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

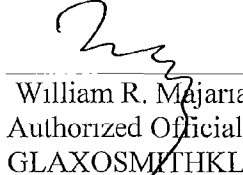
Dated this 15 day of June 2016

Signed for and on behalf of
NOVARTIS AG


Lorraine B. Ling
Authorized Signatory on behalf of
NOVARTIS AG


Theodore R. Furman
Authorized Signatory on behalf of
NOVARTIS AG

Signed for and on behalf of
GLAXOSMITHKLINE BIOLOGICALS SA


William R. Majarian
Authorized Official on behalf of
GLAXOSMITHKLINE BIOLOGICALS SA