

## 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>
JONG YOON CHUN	06/14/2017
YOUNG JO LEE	06/14/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SEEGENE, INC.
<b>Street Address:</b>	8FL, 9FL., 91, OGEUM-RO
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<b>City:</b>	SEOUL
<b>State/Country:</b>	KOREA, REPUBLIC OF
<b>Postal Code:</b>	138-828
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15534643
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	361406.00038
<b>NAME OF SUBMITTER:</b>	GIANNA JULIAN-ARNOLD
<b>SIGNATURE:</b>	/Gianna Julian-Arnold/
<b>DATE SIGNED:</b>	06/27/2017
<b>Total Attachments: 2</b>	
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**Assignment**

WHEREAS, we have made an invention entitled **DIFFERENTIATION OF SIGNALS FOR TARGET NUCLEIC ACID SEQUENCES**, for which we have executed an application for Letters Patent of the United States Application number 15/534,643 filed on June 9, 2017, such application claiming priority to Korean Patent application number PCT/KR2015/013461, which claims priority to United States Application numbers 62/089,723 filed on December 9, 2014 and 62/154,319 filed on April 29, 2015; and

WHEREAS, SEEGENE, INC., (“ASSIGNEE”), a corporation or other business entity organized under the laws of Republic of Korea, and whose postal address is 8FL, 9FL., 91, Ogeum-ro, Songpa-gu, Seoul 138-828 Republic of Korea, desires to acquire the entire right, title, and interest in and to the invention, the application, and any Letters Patent to be granted for the invention in the United States and in all foreign countries;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) paid to us by ASSIGNEE, and other good and valuable consideration, the receipt and sufficiency of which we acknowledge, we have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto ASSIGNEE, its successors, legal representatives, and assigns, the entire right, title, and interest in and to the invention, the application, all applications claiming benefit of the application, including, but not limited to, all divisions and continuations of the application, and all Letters Patent that may be granted thereon in the United States and in all foreign countries, and all reissues thereof, together with the right to claim priority under the International Convention in all member countries; the same to be held and enjoyed by said Assignee its successors and assigns, as fully and entirely as the same would have been held and enjoyed by said Assignor had this assignment and sale not been made, together with all claims for damages by reason of past infringement of said Patent Properties with the right to sue for, and collect the same for its own use and for the use of its successors, assigns and other legal representatives; and we authorize and request the Director of the United States Patent and Trademark Office to issue all Letters Patent for the invention to ASSIGNEE, its successors, legal representatives, and assigns in accordance with the terms of this Assignment;

AND we covenant and agree that we have the full right to convey the entire right, title, and interest herein assigned and that we have not executed and will not execute any assignment or other instrument in conflict with this Assignment;

AND we further covenant and agree that upon request by ASSIGNEE, its successors, legal representatives, and/or assigns, and without further consideration, we will do all lawful acts that may be necessary or desirable to assist ASSIGNEE, its successors, legal representatives, and/or assigns to obtain and enforce patent protection for the invention in the United States and in all foreign countries, including, but not limited to, communicate with ASSIGNEE, its successors, legal representatives, and/or assigns any facts known to me/us regarding the invention, testify in any legal proceeding, sign all lawful papers, execute and deliver all papers that may be necessary or desirable to perfect the title to the invention in

ASSIGNEE, its successors, legal representatives, and/or assigns, execute all divisional, continuation, and reissue applications, and make all rightful oaths, it being understood that any expense incident to the rendering of such assistance will be borne by ASSIGNEE, its successors, legal representatives, and/or assigns;

AND we further hereby authorize ASSIGNEE or its attorneys or agents to insert the correct application number and filing date into this Assignment, if none is indicated on that date of my/our execution of this Assignment.

IN WITNESS WHEREOF, we have executed this Assignment on the date indicated below.

Signature: Jong Yoon Chun

Date: June 14, 2017

Full Name: Jong Yoon CHUN

Address: Rm 1901, Cheongdam Mark-Hills 1-cha, 142gil 21,  
Yeongdong-daero, Gangnam-gu, Seoul 06075  
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Signature: o / Jo

Date: June 14 2017

Full Name: Young Jo LEE

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