

## PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
J. CRAIG VENTER INSTITUTE, INC.	09/19/2013
RECEIVING PARTY DATA	
Name:	SYNTHETIC GENOMICS, INC.
Street Address:	11149 NORTH TORREY PINES ROAD
City:	LA JOLLA
State/Country:	CALIFORNIA
Postal Code:	92037
PROPERTY NUMBERS Total: 2	
Property Type	Number
Application Number:	14015070
PCT Number:	US1357533
CORRESPONDENCE DATA	
Fax Number:	(858)754-2988
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	858-433-2214
Email:	dwharry@syntheticgenomics.com
Correspondent Name:	DOROTHY J. WHARRY
Address Line 1:	11149 NORTH TORREY PINES ROAD
Address Line 4:	LA JOLLA, CALIFORNIA 92037
NAME OF SUBMITTER:	DOROTHY J. WHARRY
Signature:	/Dorothy J. Wharry/
Date:	10/02/2013
Total Attachments: 2 source=JCVI-089.20US-WO-ASSIGNMENT- JCVI to SGI Executed#page1.tif source=JCVI-089.20US-WO-ASSIGNMENT- JCVI to SGI Executed#page2.tif	

OP \$80.00 14015070

## ASSIGNMENT

THIS ASSIGNMENT, by **J. CRAIG VENTER INSTITUTE, INC.**, a corporation duly organized under and pursuant to the laws of Maryland and having its principal place of business at 9704 Medical Center Drive, Rockville, MD 20850 (hereinafter referred to as the assignor), witnesseth:

WHEREAS, said assignor has invented certain new and useful improvements in the inventions described and claimed in the application entitled, "**CROWDING AGENT-INDUCED NUCLEIC ACID TRANSFER INTO A RECIPIENT HOST CELL,**" filed on August 30, 2013 for:

Application for Letters Patent of the United States, bearing Serial No. 14/015,070
International Patent Application, bearing Serial No. PCT/US13/57533

and;

WHEREAS, **SYNTHETIC GENOMICS, INC.**, a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 11149 North Torrey Pines Road, La Jolla, CA 92037, (hereinafter referred to as the assignee) is desirous of acquiring the entire right, title and interest in and to said inventions and said applications for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon:

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, said assignor has sold, assigned, transferred and set over, and by these presents does sell, assign, transfer and set over, unto said assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said assignee, for its own use and the use of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the assignor, had this sale and assignment not been made.

AND for the same consideration, said assignor hereby covenants and agrees to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignor is the sole and lawful owner of the entire right, title and interest in and to said inventions and the applications for Letters Patent above-mentioned, and that the same is unencumbered and that said assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, said assignor hereby covenants and agrees to and with said assignee, its successors, legal representatives and assigns, that said assignor will, whenever assignee or counsel of said assignee, or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, or that any division, continuation or continuation-in-part of any application for Letters Patent or any reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to said assignee, its successors, legal representatives and assigns, but at the cost and expense of said assignee, its successors, legal representatives and assigns.

AND said assignor hereby requests the Commissioner of Patents to issue said Letters Patent of the United States to said assignee as the assignee of said inventions and the Letters Patent to be issued thereon for the sole use of said assignee, its successors, legal representatives and assigns.

09.19.2013  
Date

**J. CRAIG VENTER INSTITUTE, INC.**

By: [Signature]  
Name: Karen E. Nelson  
Title: President

STATE OF MARYLAND )  
COUNTY OF Montgomery )

On September 19, 2013, before me, Mary F. Thomas, Notary Public, personally appeared Karen E. Nelson, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to within the instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY of PERJURY under the laws of the State of Maryland that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Mary F. Thomas  
NOTARY PUBLIC  
Montgomery County, Maryland  
My Commission Expires 12/06/2016

Signature: [Signature] (Seal)

9/30/2013  
Date

**SYNTHETIC GENOMICS, INC.**

By: [Signature]  
Name: J. MAHLER  
Title: CEO

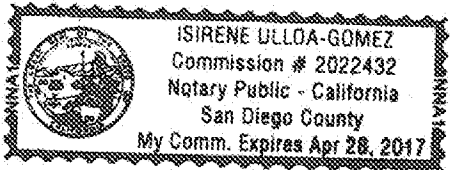
STATE OF California )  
COUNTY OF San Diego )

On September 3, 2013, before me, Isirere Ulloa Gomez, Notary Public, personally appeared Joseph Malloy, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to within the instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY of PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: [Signature] (Seal)



**PATENT**