

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Michele M. Champagne	05/20/2013
Jun Urano	06/12/2013
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:	13871737
PCT Number:	US2013038517
CORRESPONDENCE DATA	
Fax Number:	
<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:	07/09/2013
Total Attachments: 2 source=SGI-044.20US-WO ASSIGNMENT-JOINT inventors to SGI Executed#page1.tif source=SGI-044.20US-WO ASSIGNMENT-JOINT inventors to SGI Executed#page2.tif	

OP \$80.00 13871737

**ASSIGNMENT
JOINT**

THIS ASSIGNMENT, by Michele M. CHAMPAGNE, residing at 124 Oxbow Circle, San Diego, CA 92024 and Jun URANO, residing at 23 Del Carlo, Irvine, CA 92606; (hereinafter referred to as the assignors), witnesseth:

WHEREAS, said assignors have invented certain new and useful improvements in the inventions described and claimed in the application entitled "**COMPOSITIONS AND METHODS FOR MODULATING THE SENSITIVITY OF CELLS TO AHAS INHIBITORS**" filed on April 26, 2013 for:

Application for Letters Patent of the United States, bearing Serial No. 13/871,737
International Patent Application, bearing Serial No. PCT/US13/38517

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 assignors have sold, assigned, transferred and set over, and by these presents do 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 assignors, had this sale and assignment not been made.

AND for the same consideration, said assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, said assignors are the sole and lawful owners of the entire right, title and interest in and to said inventions and the applications for Letters Patent above-mentioned, and that the same are unencumbered and that said assignors have 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 assignors hereby covenant and agree to and with said assignee, its successors, legal representatives and assigns, that said assignors 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 assignors hereby request 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.

Date: 20 May 2013

Signature: Michele M. Champagne
Name: Michele M. Champagne

STATE OF CA)

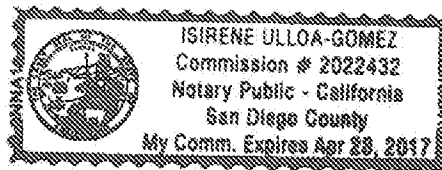
COUNTY OF San Diego)

On May 20, 2013, before me, Isirene Ulloa-Gomez, Notary Public, personally appeared Michele M. Champagne 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 she executed the same in her authorized capacity, and that by 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)



Date: 12 June 2013

Signature: [Signature]
Name: Jun Urano

STATE OF California)

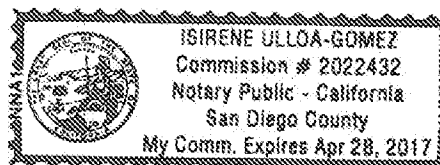
COUNTY OF San Diego)

On June 12, 2013, before me, IUG Jun Urano Isirene Ulloa Gomez Notary Public, personally appeared Jun Urano, 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 executed the same in his authorized capacity, and that by his 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)



2 of 2