

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Synthetic Genomics, Inc.	04/27/2012
RECEIVING PARTY DATA	
Name:	ExxonMobil Research and Engineering Company
Street Address:	1545 Route 22 East
City:	Annandale
State/Country:	NEW JERSEY
Postal Code:	08801
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13435315
CORRESPONDENCE DATA	
Fax Number:	(314)726-7500
Phone:	3147267500
Email:	lmrefile@hdp.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	Leanne M. Rakers
Address Line 1:	Harness, Dickey & Pierce, P.L.C.
Address Line 2:	7700 Bonhomme, Suite 400
Address Line 4:	St. Louis, MISSOURI 63105
ATTORNEY DOCKET NUMBER:	16244-000015/US
NAME OF SUBMITTER:	Leanne M. Rakers
Total Attachments: 3 source=Assignment (SGI to ExxonMobil)#page1.tif source=Assignment (SGI to ExxonMobil)#page2.tif source=Assignment (SGI to ExxonMobil)#page3.tif	

CH \$40.00 13435315

PATENT

ASSIGNMENT

THIS ASSIGNMENT ("Assignment"), by **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 "Assignor"), witnesseth:

WHEREAS, said Assignor is the sole and exclusive owner by assignment of the inventions described and claimed in the application entitled **METABOLIC PATHWAY TARGETING BY TRANSCRIPTION FACTOR OVEREXPRESSION** set forth in United States Patent Application, bearing Serial No. **13/435,315**, filed on **March 30, 2012**; and

WHEREAS, **EXXONMOBIL RESEARCH AND ENGINEERING COMPANY**, a corporation duly organized under and pursuant to the laws of Delaware and having its principal place of business at 1545 Route 22 East, Annandale, NJ 08801 (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, pursuant to a separate agreement executed by SGI and EMRE entitled "Agreement between ExxonMobil Research and Engineering Company and Synthetic Genomics, Inc." effective July 8, 2009 ("Alliance Agreement") and in consideration of 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 are 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 if not otherwise specified in the Alliance Agreement.

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.

To the extent anything in this Assignment may be interpreted to conflict with any of the terms and conditions of the Alliance Agreement, SGI and Assignee agree that the terms and conditions of the Alliance Agreement control.

April 27, 2012
Date

SYNTHETIC GENOMICS, INC.

By: 

Name: M. Fernanda Gandara

Title: Senior Vice President, Business Development

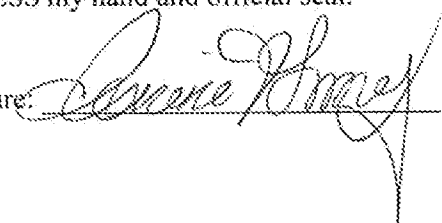
STATE OF California)

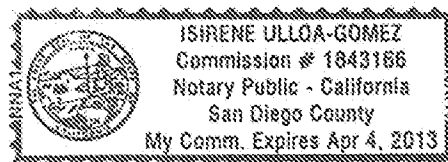
COUNTY OF San Diego)

On April 27, 2012, before me, Isirene Ulloa-Gomez,
Notary Public, personally appeared M. Fernanda Gandara, 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:  (Seal)



May 10, 2010
Date

EXXONMOBIL RESEARCH AND ENGINEERING COMPANY

By: [Signature]
Name: David Moele
Title: Biofuels Program Manager

STATE OF New Jersey)
COUNTY OF Hudson)

On May 10, 2010, before me, Kathy M. Lawton,
Notary Public, personally appeared David Moele, 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 New Jersey
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature: Kathy M. Lawton (Seal)

Kathy M. Lawton
Notary Public
State Of New Jersey
My Commission Expires 08-12-2013