PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
MARTIN L. YARMUSH	05/29/2014
NIR I. NATIV	05/28/2014
FRANCOIS BERTHIAUME	05/29/2014
GABRIEL YARMUSH	06/18/2014
TIM MAGUIRE	06/24/2014
RENE S. SCHLOSS	06/18/2014

RECEIVING PARTY DATA

Name:	RUTGERS, THE STATE UNIVERSITY OF NEW JERSEY
Street Address:	OLD QUEEN'S, SOMERSET STREET
City:	NEW BRUNSWICK
State/Country:	NEW JERSEY
Postal Code:	08909

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14169605

CORRESPONDENCE DATA

Fax Number: (609)896-1496

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.

Phone: 609-844-3020

Email: ipdocket@foxrothschild.com

GERARD P. NORTON **Correspondent Name:** Address Line 1: FOX ROTHSCHILD LLP

Address Line 2: 997 LENOX DRIVE, BLDG. #3

Address Line 4: LAWRENCEVILLE, NEW JERSEY 08468

NAME OF SUBMITTER:OLGA I. AYALASIGNATURE:/Olga I. Ayala/	ATTORNEY DOCKET NUMBER:	070439.00937
SIGNATURE: /Olga I. Ayala/	NAME OF SUBMITTER:	OLGA I. AYALA
	SIGNATURE:	/Olga I. Ayala/
DATE SIGNED: 07/25/2014	DATE SIGNED:	07/25/2014

Total Attachments: 2

REEL: 033392 FRAME: 0888 502907784

PATENT

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> PATENT REEL: 033392 FRAME: 0889

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR(S) of the sum of One Dollar (\$1.00) and for other good and valuable consideration, the receipt of which is hereby acknowledged.

ASSIGNOR(S):

Name	Address
Martin L. Yarmush	164 Ward Street, Newton, MA 02459
Nir I, Nativ	21 Cliff Street, West Orange, NJ 07052
Francois Berthiaume	19 Homer Place, Metuchen, NJ 08840
Gabriel Yarmush	405 Elmwood Terrace, linden, NJ 07036
Tim Maguire	37 East Burgess Drive, Piscataway, NJ 08854
Rene S. Schloss	6 Hamilton Drive, East Brunswick, NJ 08816
hereby sells, assigns and transfers to:	
ASSIGNEE:	
Name	Address
Rutgers, The State University of New Jerse	Old Queen's, Somerset Street, New Brunswick, NJ 08909

and the successors, assigns and legal representatives of the ASSIGNEE, entire right, title and interest for the United States and its territorial possessions, and in all foreign countries, including all rights to claim priority, in and to the invention entitled:

IN VITRO MODEL OF MACROSTEATOTIC (FATTY) LIVER

invented by Yarmush et al. and which is found in:

	the U.S. patent application execu	ited on even date	herewith;	
	the U.S. patent application exec	uted on ;		
\boxtimes	the U.S. patent application no.:	14/169,605	filed:	January 31, 2014
	the International Application no.	filed:		
	the U.S. patent no. issued on;			

and, in and to all Letters Patent, both foreign and domestic, to be obtained for said invention by the aforesaid U.S. patent application, and all continuation, division, renewal, continuation-in-part or substitute of said U.S. Patent Application; and as to Letters Patent, any reissue or re-examination thereof; and to any legal equivalent thereof in a foreign country, including, the right to apply for patents and inventor certificates in respect thereof, the right to claim priority, and all patents, patents of addition, utility models, patents of importation, revalidation patents and inventor certificates which may be granted throughout the world in respect of the invention.

ASSIGNOR(S) hereby authorizes ASSIGNEE or its legal representative to insert in this instrument the filing date and serial number of said application or any other information that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for the recordation of this document.

ASSIGNOR(S) hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR(S) further covenants and agrees that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR(S), and that ASSIGNOR(S) will, at ASSIGNEE's expense, testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE, its assigns or its legal representatives, without

further or additional consideration, any and all papers, instruments or affidavits required, render all necessary assistance, and do such additional acts as ASSIGNEE may deem necessary or desirable, to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

ASSIGNOR(S) hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent referred to above to ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and benefit, and for the use and benefit of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR(S) had this assignment and sale not been made.

The parties agree that the foregoing covenants and obligations shall bind and inure to the benefit of the heirs, assigns and legal representatives of both parties.

Name:	X Ma to A Martin L. Yarmush	Date: 5/29/14
Name:	Nir I, Nativ	Date: 5-28-2014
Name:	<u>Eurois Bellia</u> Francois Bothiaume	Date: <u>5/29/3014</u>
Name:	Acle Gabriel Yarmush	Date: <u>6/18/14</u>
Name:	Tim Maguire	Date: 6/24/14
Name:	Reme S. Schloss	Date: 6/18/14