PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		Appointment of Investigator as Agent		
CONVEYING PARTY	DATA			
		Name	Execution Date	
Howard Hughes Med	lical Institute		03/31/2010	
RECEIVING PARTY I	 DATA			
Name:	ame: Sanford D. Markowitz			
Street Address:	28950 Bolingbrook Road			
City:	Pepper Pike			
State/Country:	Оню			
Postal Code:	44124			
PROPERTY NUMBERS Total: 1 Property Type Number				
		0674		12870674
CORRESPONDENCE DATA				
Fax Number: (617)235-9492				
Fax Number:	(617)235-9492	2		0
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<i>Correspondence will I</i> Phone:	<i>be sent via US Mail v</i> 617-951-7000	when the fax attempt is unsuccessful.		\$40.00
<i>Correspondence will i</i> Phone: Email:	<i>be sent via US Mail v</i> 617-951-7000 ginny.blundell	when the fax attempt is unsuccessful. @ropesgray.com		:H \$40.00
<i>Correspondence will I</i> Phone: Email: Correspondent Name	<i>be sent via US Mail v</i> 617-951-7000 ginny blundell c: Ropes & Gray	when the fax attempt is unsuccessful. @ @ropesgray.com v LLP		
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Correspondence will A Phone: Email: Correspondent Name Address Line 1: Address Line 2: Address Line 4:	be sent via US Mail v 617-951-7000 ginny.blundell Ropes & Gray Prudential Tov 800 Boylston Boston, MASS	when the fax attempt is unsuccessful. @ropesgray.com / LLP wer Street SACHUSETTS 02199-3600		

APPOINTMENT OF INVESTIGATOR AS AGENT

Appointment by the Howard Hughes Medical Institute ("HHMI") of Sanford D. Markowitz, MD, PhD, an employee of HHMI, as its agent for the purpose of assigning certain rights to Case Western Reserve University ("Institution").

WHEREAS, HHMI and Institution collaborate in the active conduct of medical research pursuant to an Agreement between them dated as of January 30, 1998 (the "Agreement");

WHEREAS, pursuant to the Agreement, HHMI has agreed to assign to Institution HHMI's rights with respect to inventions, discoveries, improvements, and other intellectual property, whether patentable or copyrightable (each a "Subject Property"), conceived or reduced to practice in the course of the research program conducted under the Agreement by employees of HHMI:

WHEREAS, research conducted pursuant to the Agreement by Sanford D. Markowitz, MD, PhD while employed by HHMI at Institution has resulted in the invention of a certain Subject Property entitled "Aberrant Methylation of C60rf150 DNA Sequences in Human Colorectal Cancer," which is the subject of a patent application entitled "Aberrant Methylation of C60rf150 DNA Sequences in Human Colorectal Cancer" filed in the U.S. Patent and Trademark Office on August 27, 2009 with Serial Number 61/275,355 (the "Invention"), and the Invention is a Subject Property; and

WHEREAS, HHMI wishes Sanford D. Markowitz, MD, PhD to act as its agent for the purpose of assigning to Institution the rights HHMI has in the Invention by reason of the research program conducted at Institution.

NOW THEREFORE, HHMI hereby appoints Sanford D. Markowitz, MD, PhD as its agent for the purpose of assigning the rights HHMI has or may acquire in the Invention by reason of the research program conducted at Institution to Institution in accordance with and subject to the conditions of the Agreement.

Executed: March 31, 2010

HOWARD HUGHES MEDICAL INSTITUTE

By:

Jack E. Dixon

Vice President and Chief Scientific Officer

ATTESTED: Craig A Alexander

Vice President and General Counsel

2010-1770 HHMI 04475

RECORDED: 01/20/2011