

Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002)		RECORDATION FORM COVER SHEET PATENTS ONLY		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof					
1. Name of conveying party(ies): Howard Hughes Medical Institute and Sanford D. Markowitz Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies) Name: <u>Case Western Reserve University</u> Internal Address: _____ Street Address: <u>10900 Euclid Avenue</u> City: <u>Cleveland</u> State: <u>OH</u> Zip: <u>44106</u> Additional name(s) & address(es) attached: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. Nature of Conveyance: <input type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input checked="" type="checkbox"/> Other <u>Appointment of Investigator as Agent</u> Execution Date: <u>February 9, 2004</u>					
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the new application is: _____ A. Patent Application No.(s): <u>60/406296 08/27/02 10/649591 08/26/03</u> <u>10/229345 08/26/02 US03/27085 08/26/03</u> <u>10/274177 10/18/02 60/234087 09/20/00</u> Additional numbers attached? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No B. Patent No.(s): _____					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>Anita Varma</u> <u>ROPES & GRAY LLP</u> Internal Address: _____ Street Address: _____ <u>One International Place</u> City: <u>Boston</u> State: <u>MA</u> Zip: <u>02110-2624</u>			6. Total number of applications and patents involved: <u>20</u> 7. Total fee (37 CFR 3.41) \$ <u>800.00</u> <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Authorized to be charged to credit card (Form 2038 enclosed) 8. Deposit account number: <u>18-1945</u> (Attach duplicate copy of this page if paying by deposit account)		
DO NOT USE THIS SPACE					
9. Statement and signature. <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> <u>John D. Quisel - 47,874</u> <u>March 25, 2004</u> Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and documents: <u>5</u>					

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Dated:

Signature:

____ (Maura A. Gallagher)

Form PTO-1595		RECORDATION FORM COVER SHEET (continued)																																							
Additional Conveying Party(ies) (1. Continued):																																									
Additional Assignees (2. Continued): Assignee Name: _____ Internal Address: _____ Street Address: _____ City: _____ State: _____ Zip Code: _____																																									
Assignee Name: _____ Internal Address: _____ Street Address: _____ City: _____ State: _____ Zip Code: _____																																									
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Additional Applications and/or Patents (4. Continued): <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top; padding: 5px;"> Additional Patent Application Numbers 4A. Continued: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">09/957661</td> <td style="width: 25%;">09/20/01</td> <td style="width: 25%;">09/239864</td> <td style="width: 25%;">01/29/99</td> </tr> <tr> <td>US01/29713</td> <td>09/20/01</td> <td>09/878905</td> <td>06/13/01</td> </tr> <tr> <td>60/327537</td> <td>10/05/01</td> <td>10/646640</td> <td>08/21/03</td> </tr> <tr> <td>10/266103</td> <td>10/07/02</td> <td>60/495064</td> <td>08/14/03</td> </tr> <tr> <td>US02/31988</td> <td>10/07/02</td> <td>10/650112</td> <td>08/26/03</td> </tr> <tr> <td>60/386653</td> <td>06/05/02</td> <td>US03/27086</td> <td>08/26/03</td> </tr> <tr> <td>10/456930</td> <td>06/05/03</td> <td></td> <td></td> </tr> <tr> <td>US03/18239</td> <td>06/05/03</td> <td></td> <td></td> </tr> </table> </td> <td style="width: 50%; vertical-align: top; padding: 5px;"> Additional Patent Numbers 4B. Continued: </td> </tr> <tr> <td colspan="2" style="text-align: right; padding: 5px;">Additional numbers attached?</td> <td colspan="2" style="text-align: center; padding: 5px;"> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> </tr> </table>				Additional Patent Application Numbers 4A. Continued: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">09/957661</td> <td style="width: 25%;">09/20/01</td> <td style="width: 25%;">09/239864</td> <td style="width: 25%;">01/29/99</td> </tr> <tr> <td>US01/29713</td> <td>09/20/01</td> <td>09/878905</td> <td>06/13/01</td> </tr> <tr> <td>60/327537</td> <td>10/05/01</td> <td>10/646640</td> <td>08/21/03</td> </tr> <tr> <td>10/266103</td> <td>10/07/02</td> <td>60/495064</td> <td>08/14/03</td> </tr> <tr> <td>US02/31988</td> <td>10/07/02</td> <td>10/650112</td> <td>08/26/03</td> </tr> <tr> <td>60/386653</td> <td>06/05/02</td> <td>US03/27086</td> <td>08/26/03</td> </tr> <tr> <td>10/456930</td> <td>06/05/03</td> <td></td> <td></td> </tr> <tr> <td>US03/18239</td> <td>06/05/03</td> <td></td> <td></td> </tr> </table>	09/957661	09/20/01	09/239864	01/29/99	US01/29713	09/20/01	09/878905	06/13/01	60/327537	10/05/01	10/646640	08/21/03	10/266103	10/07/02	60/495064	08/14/03	US02/31988	10/07/02	10/650112	08/26/03	60/386653	06/05/02	US03/27086	08/26/03	10/456930	06/05/03			US03/18239	06/05/03			Additional Patent Numbers 4B. Continued: 	Additional numbers attached?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
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APPOINTMENT OF INVESTIGATOR AS AGENT

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

WHEREAS, the Institute and the University 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, the Institute has agreed to assign to the University the Institute'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 the Institute;


WHEREAS, research conducted pursuant to the Agreement by Sanford D. Markowitz, MD, PhD while employed by the Institute at the University has resulted in the inventions of a Subject Property, all matters listed on Appendix A, (the "Inventions"), and the Inventions are a Subject Property; and

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

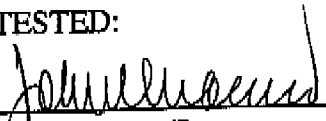
NOW THEREFORE, the Institute hereby appoints Sanford D. Markowitz, MD, PhD to act as its agent for the purpose of assigning the rights the Institute has in the Inventions by reason of the research program conducted at the University to the University in accordance with and subject to the conditions of the Agreement.

Executed February 9, 2004

HOWARD HUGHES MEDICAL INSTITUTE

By: 
David A. Clayton, PhD
Vice President and Chief Scientific Officer

ATTESTED:


Joan S. Leonard, Esq.
Vice President and General Counsel

2001-0507
HHMI 02040

APPENDIX A

Serial Number	Filing Date	Title	Docket Number
	2/27/01	NOVEL METHODS OF DIAGNOSIS OF METASTATIC COLORECTAL CANCER, COMPOSITIONS AND METHODS OF SCREENING FOR MODULATORS OF METASTATIC COLORECTAL CANCER	CWRU-P60-002
	2/27/01	NOVEL METHODS OF DIAGNOSIS OF METASTATIC COLORECTAL CANCER, COMPOSITIONS AND METHODS OF SCREENING FOR MODULATORS OF METASTATIC COLORECTAL CANCER	CWRU-P61-002
60/406296	8/27/02	METHODS FOR TREATING PATIENTS AND IDENTIFYING THERAPEUTICS	CWRU-P60-003
10/229345	8/26/02	METHODS FOR CATEGORIZING PATIENTS	CWRU-P01-003
10/274177	10/18/02	METHODS AND COMPOSITIONS FOR CATEGORIZING PATIENTS	CWRU-P02-003
10/649591	8/26/03	METHODS FOR CATEGORIZING PATIENTS	CWRU-P03-003
US03/27085	8/26/03	METHODS AND COMPOSITIONS FOR CATEGORIZING PATIENTS	CWRU-PWO-003
60/234087	9/20/00	METHODS AND COMPOSITIONS FOR DETECTING CANCERS ASSOCIATED WITH METHYLATION OF hMLH1 PROMOTER DNA	CWRU-P60-006
09/957661	9/20/01	METHODS AND COMPOSITIONS FOR DETECTING CANCERS ASSOCIATED WITH METHYLATION OF hMLH1 PROMOTER DNA	CWRU-P01-006
US01/29713	9/20/01	METHODS AND COMPOSITIONS FOR DETECTING CANCERS ASSOCIATED WITH METHYLATION OF hMLH1 PROMOTER DNA	CWRU-PWO-006
60/327537	10/5/01	METHODS AND COMPOSITIONS FOR DETECTING COLON CANCERS	CWRU-P60-008
10/266103	10/7/02	METHODS AND COMPOSITIONS FOR DETECTING COLON CANCERS	CWRU-P01-008
US02/31988	10/7/02	METHODS AND COMPOSITIONS FOR DETECTING COLON CANCERS	CWRU-PWO-008
60/386653	6/5/02	COLON CANCER DIAGNOSTIC TOOLS	CWRU-P60-010
10/456930	6/5/03	METHODS AND COMPOSITIONS FOR DETECTING CANCERS	CWRU-P01-010
US03/18239	6/5/03	METHODS AND COMPOSITIONS FOR DETECTING CANCERS	CWRU-PWO-010
09/239864	1/29/99	CANCER DIAGNOSIS AND THERAPY BASED ON MUTATIONS IN TGF-B RECEPTORS	CWRU-P03-011
09/878905	6/13/01	CANCER DIAGNOSIS AND THERAPY BASED ON MUTATIONS IN TGF-B RECEPTORS	CWRU-P04-011

10/646640	8/21/03	CANCER DIAGNOSIS AND THERAPY BASED ON MUTATIONS IN TGF-B RECEPTORS	CWRU-P05-011
37791/00	5/30/02	CANCER DIAGNOSIS AND THERAPY BASED ON MUTATIONS IN TGF-B RECEPTORS	CWRU-PA1-011
60/495064	8/14/03	METHOD AND COMPOSITIONS FOR DETECTING COLON CANCERS	CWRU-P60-020
10/650112	8/26/03	METHODS FOR TREATING PATIENTS AND IDENTIFYING THERAPEUTICS	CWRU-P01-044
US03/27086	8/26/03	METHODS FOR TREATING PATIENTS AND IDENTIFYING THERAPEUTICS	CWRU-PWO-044