

# PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
Name	Execution Date
Rosetta Inpharmatics LLC	06/25/2009
<b>RECEIVING PARTY DATA</b>	
Name:	Merck & Co., Inc.
Street Address:	P.O. Box 2000
Internal Address:	RY60-30
City:	Rahway
State/Country:	NEW JERSEY
Postal Code:	07065-0907
<b>PROPERTY NUMBERS Total: 1</b>	
Property Type	Number
Application Number:	12598563
<b>CORRESPONDENCE DATA</b>	
Fax Number:	(206)224-0779
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Phone:	(206)682-8100
Email:	efiling@cojk.com
Correspondent Name:	Tineka J. Quinton, Esq.
Address Line 1:	Christensen O'Connor Johnson Kindness
Address Line 2:	1420 Fifth Avenue, Suite 2800
Address Line 4:	Seattle, WASHINGTON 98101-2347
ATTORNEY DOCKET NUMBER:	ROSA134052
NAME OF SUBMITTER:	Tineka J. Quinton
Total Attachments: 15 source=34052_Assignment_Rosetta_to_Merck#page1.tif source=34052_Assignment_Rosetta_to_Merck#page2.tif	

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**PATENT**  
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## PATENT ASSIGNMENT AND ASSUMPTION AGREEMENT

ASSIGNMENT AND ASSUMPTION AGREEMENT, (this "Agreement") is entered into effective as of June 25, 2009 between Rosetta Inpharmatics LLC, a Delaware limited liability company and wholly-owned subsidiary of Merck & Co., Inc. (the "Company"), and Merck & Co., Inc., a New Jersey corporation (the "Assignee").

### RECITALS

*WHEREAS*, the Company desires to transfer certain of the patents and patent applications of the Company to the Assignee pursuant to the terms hereof, and the Assignee is willing to give effect to such transfer on the terms and conditions hereof.

*NOW, THEREFORE*, in consideration of the premises and of the mutual covenants and agreements set forth herein, the parties hereto hereby agree as follows:

1. Assignment. The Company hereby assigns and transfers all of its right, title, and interest in and to certain of its patents and patent applications as of June 25, 2009, (the "Assigned Assets") to the Assignee. The assets being assigned and transferred by the Corporation to the Assignee include:

(a) those patents and patent applications set forth in Schedule 1 and all inventions, discoveries, and applications therein;

(b) patent applications that claim priority under 35 U.S.C. § 119(e) of said patent applications set forth in Schedule 1; all divisions, renewals, continuations, and continuations-in-part of said patent applications set forth in Schedule 1; all patents which may be granted on any and all of the foregoing patent applications, and all reissues and extensions thereof; and all foreign counterparts of any and all of the foregoing patent applications and patents; and

(c) all reissues and extensions of said patents set forth in Schedule 1, and all foreign counterparts of the foregoing.

2. Assumption. The Assignee accepts such Assignment of the Assigned Assets and hereby assumes all of the Company's obligations and liabilities relating to the Assigned Assets (the "Assumed Liabilities").

3. Further Assurances. The Company and the Assignee each agrees to take such other actions, if any, as are necessary to reflect and give effect to the transactions contemplated by this Agreement.

4. Successors and Assigns. This Agreement shall be binding upon, and shall inure to the benefit of, the Company and the Assignee and their respective successors and assigns. No person or entity shall in any respect be deemed to be a third party beneficiary with respect to this Agreement.

5. Governing Law. This Agreement and the rights and obligations of the parties hereto shall be interpreted, enforced in accordance with, and governed by, the laws of the State of Delaware applicable to agreements made and to be performed wholly within that jurisdiction.

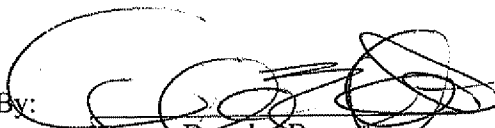
6. Amendment, Waiver, etc. No amendment, modification or alteration of the terms or provisions of this Agreement shall be binding on the parties hereto unless the same shall be in writing and duly executed by such parties.

7. Headings. Section headings contained herein are for convenience of reference only and shall in no way affect the meaning or interpretation of the terms and provisions hereof.

8. Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be considered an original and all of which shall together constitute one and the same instrument.


IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first above written.

**ROSETTA INPHARMATICS LLC**

By:   
Name: Douglas Bassett  
Title: Vice President

Date: 25 June 2009

**MERCK & CO., INC.**

By:   
Name: Peter Kellogg  
Title: EVP & CFO

Date: 6/30/09

# SCHEDULE 1



Issued U.S. Patents					
Patent #	Issue Date	Rosetta/Merck Ref #	Title	Serial #	Date Filed
6,171,794	1/9/2001	R98-056-32 RS0010	Methods for Determining Cross-Hybridization	09/335,971	6/18/1999
6,271,002	8/7/2001	R98-094-43 RS0018	RNA Amplification Method	09/411,074	10/4/1999
6,673,536	1/6/2004	R98-072-34 RS0011	Methods of Ranking Oligonucleotides for Specificity Using Wash Dissociation Histories	09/408,582	9/29/1999
6,713,257	3/30/2004	R00-061-94CIP RS0043	Gene Discoveries Using Microarrays	09/781,814	2/12/2001
7,013,221	3/14/2006	R99-034-68 CIP RS0023IA	Iterative Probe Design & Detailed Expression Profiling with Flexible In-Situ Synthesis Arrays	09/561,487	4/28/2000
7,035,739	4/25/2006	R01-191-200Y RS0065Y	Computer Systems & Methods for Identifying Genes & Determining Pathways Associated with Traits	10/356,857	2/3/2003
7,078,169	7/18/2006	R99-022-187 RS0059CA	Methods for the Identification of Inhibitors of an Isoprenoid Metabolic Pathway	10/205,841	7/26/2002
7,141,398	11/28/2006	R02-111-039 RS0083	Methods for Recycling mRNA for Linear cRNA Amplification	10/745,462	12/23/2003
7,171,311	1/30/2007	R01-071-188 CIP RS0036IA	Diagnosis & Prognosis of Breast Cancer Patients	10/342,887	1/15/2003
7,229,765	6/12/2007	R00-099-124 RS0027	Random-Primed Transcriptase In-Vitro Transcription Method for RNA Amplification	10/432,176	11/13/2003
7,294,478	11/13/2007	R00-129-171 RS0030	Microarray Reaction Cartridge	10/092,285	3/5/2002
7,371,516	5/13/2008	R99-031-44 RS0052	Method for Determining the Specificity & Sensitivity of Oligonucleotides for Hybridization	09/616,849	7/14/2000
7,432,084	10/7/2008	R01-079-149 RS0035	Methods for Preparing Nucleic Acid Samples Useful for Screening DNA Arrays	10/485,008	8/19/2004
7,514,209	4/7/2009	R01-071-175 RS0036	Diagnosis & Prognosis of Breast Cancer Patients	10/172,118	6/14/2002

# SCHEDULE 1



U.S. Patent Applications			
Serial #	Date filed	Rosetta/Merck Ref #	Title
09/335,971	6/18/1999	R98-056-32 RS0010	Methods for Determining Cross-Hybridization
09/364,751	7/30/1999	R99-034-56 RS0023	Iterative Probe Design & Detailed Expression Profiling with Flexible In-Situ Synthesis Arrays
09/408,582	9/29/1999	R98-072-34 RS0011	Methods of Ranking Oligonucleotides for Specificity Using Wash Dissociation Histories
09/411,074	10/4/1999	R98-094-43 RS0018	RNA Amplification Method
09/540,806	3/31/2000	R99-022-9R RS0059	Methods for the Identification of Reporter & Target Molecules Using Comprehensive Gene Expression Profiles
09/561,487	4/28/2000	R99-034-68 CIP RS0023IA	Iterative Probe Design & Detailed Expression Profiling with Flexible In-Situ Synthesis Arrays
09/616,849	7/14/2000	R99-031-44 RS0052	Method for Determining the Specificity & Sensitivity of Oligonucleotides for Hybridization
09/724,538	11/28/2000	R00-079-123 RS0025	Compositions & Methods for Exon Profiling
09/781,814	2/12/2001	R00-061-94CIP RS0043	Gene Discoveries Using Microarrays
10/092,285	3/5/2002	R00-129-171 RS0030	Microarray Reaction Cartridge
10/172,118	6/14/2002	R01-071-175 RS0036	Diagnosis & Prognosis of Breast Cancer Patients
10/205,841	7/26/2002	R99-022-187 RS0059CA	Examiner's Amended Title: Methods for the Identification of Inhibitors of an Isoprenoid Metabolic Pathway
10/342,887	1/15/2003	R01-071-188 CIP RS0036IA	Diagnosis & Prognosis of Breast Cancer Patients
10/356,857	2/3/2003	R01-191-200Y RS0065Y	Computer Systems & Methods for Identifying Genes & Determining Pathways Associated with Traits
10/432,176	11/13/2003	R00-099-124 RS0027	Random-Primed Transcriptase In-Vitro Transcription Method for RNA Amplification
10/475,960	8/5/2004	R00-126-156 RS0029	Methods and Compositions for Utilizing Changes of Hybridization Signals During Approach to Equilibrium
10/485,008	8/19/2004	R01-079-149 RS0035	Methods for Preparing Nucleic Acid Samples Useful for Screening DNA Arrays

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10/515,804	1/24/2006	R02-028-207US RS0067Y	Computer Systems & Methods for Subdividing a Complex Disease into Component Diseases
10/520,031	8/15/2005	R01-123-159RS0032	Methods to Assess Quality of Microarrays
10/523,143	8/16/2005	R02-079-211 RS0051Y	Computer Systems and Methods that Use Clinical and Expression Quantitative Trait Loci to Associate Genes with Traits
10/540,405	6/30/2006	R02-029-210 RS0062	Computer Systems and Methods for Associating Genes with Traits Using Cross Species Data
10/557,219	1/26/2007	R02-134-227	Methods and Compositions for RNA Interference
10/558,463	2/7/2007	R02-139-635 RS0073Y	Methods for Identifying Modulators of Kinesin Activity
10/558,928	2/8/2007	R02-065-236	Computer Systems and Methods for Identifying Surrogate Markers
10/567,282	8/22/2006	R03-072-237 RS0077	Computer Systems and Methods for Inferring Causality from Cellular Constituent Abundance Data
10/577,696	3/12/2007	R03-141-244	Method of Designing siRNAs for Gene Silencing
10/579,029	11/19/2008	R04-172-563 RS0094	Methods for Quantitating Small RNA Molecules
10/591,800	7/9/2007	R03-139-251	Classification of Breast Cancer Patients Using a Combination of Clinical Criteria and Informative Genesets
10/734,063	12/10/2003	R02-047-232Y RS0063Y	Automated System & Method for Preparing a Hybridization-Ready Biological Sample
10/745,462	12/23/2003	R02-111-039 RS0083	Methods for Recycling mRNA for Linear cRNA Amplification
10/813,506	3/29/2004	R00-061-235 DIV RS0043DA	Gene Discovery Using Microarrays
10/860,559	6/2/2004	R03-008-036 RS0075	Method for Making Populations of Defined Nucleic Acid Molecules
10/867,376	6/14/2004	R03-056-131 RS0078	Methods for Storing Compositions Useful for Synthesizing Nucleic Acid Molecules
10/872,157	6/17/2004	R02-081-189 RS0076	Methods for Characterizing Tissue or Organ Condition or Status
10/947,637	9/22/2004	R02-135-243 RS0080	Synthetic Lethal Screen Using RNA Interference
11/019,831	12/22/2004	R04-232-229	Modified Polynucleotides for Reducing Off-Target Effects in RNA Interference

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11/142,837	6/1/2005	R03-095-410 RS0090	Method and System for Designing, Implementing and Analyzing Gene Expression Experiments
11/187,163	7/22/2005	R04-131-099 RS0093	Tracking Biological Samples and Their Processing History
11/222,043	9/8/2005	R04-107-410 RS0092	Methods for Assessing the Representation of Nucleic Acid Molecules in a Nucleic Acid Library
11/282,025	11/16/2005	R99-034- 258DIVRS0023IADA	Iterative Probe Design and Detailed Expression Profiling with Flexible In-Situ Synthesis Arrays
11/361,871	2/23/2006	R03-072-256 RS0077IA	Computer Systems and Methods for Inferring Causality from Abundance Data
11/397,327	4/4/2006	R04-091-103 RS0096	Methods for Characterizing Agonists and Partial Agonists of Target Molecules
11/407,686	4/19/2006	R04-072-099 R0097	Assessing the Suitability of an RNA Sample for use in a Hybridization Experiment
11/490,840	7/21/2006	R04-191-802 RS099	Methods for Determining Whether a Chemical Agent Modulates Enzymatic Activity of an L-2-Hydroxy Acid Oxidase
11/527,145	9/25/2006	R04-099-262 RS0100	Systems and Methods for Associating a Gene With a Disease
11/540,482	9/27/2006	R05-117-836 RS0101	Methods to Evaluate Glucocorticoid Receptor Agonists and Antagonists for Effects on Neuron-Like Cells
11/544,459	10/6/2006	R04-072-233CIP RS0097IA	Assessing the Suitability of an RNA Sample for Use in a Hybridization Experiment
11/578,216	8/18/2008	R04-031-239 RS0087	Methods for Identifying Genes that Mediate a Response of a Living Cell to an Agent
11/584,424	10/19/2006	R04-123-110 RS0103	Methods for Identifying Agents That Modulate GPR 105 Activity
11/587,900	7/30/2008	R03-102-240	Systems and Methods for Reconstructing Gene networks in Segregating Populations
11/589,322	10/27/2006	R05-142-416 RS0104Y	Nucleic Acid Amplification Using Non-Random Primers
11/595,699	11/9/2006	R04-076-225 RS0225 ROS-DOB-0225-US	Methods and Compositions for Characterization of HSD1 Inhibitors
11/640,517	12/14/2006	R05-118-253 RS0107	Genes Associated with Progression and Response in Chronic Myeloid Leukemia and Uses Thereof
11/658,605	2/27/2009	R04-082-254 RS0091	Prognosis of Breast Cancer Patients



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11/744,736	5/4/2007	R05-191-178 RS0109	Methods and Compositions for Generating Gene Delivery Vectors
11/745,386	5/7/2007	R00-099-563DIV RS0027DA	Random-Primed Reverse Transcriptase-in Vitro Transcription Method for RNA Amplification
11/760,554	6/8/2007	R05-136-241 RS0110	Method for Assessing the Quality of Amplified Nucleic Acid Samples and Gene Expression Data Derived Therefrom
11/779,759	7/18/2007	R04-172- 687CIPRS0094IA	Methods for Quantitating Small RNA Molecules
11/883,775	8/6/2007	R05-005-249 RS0095	Methods of Predicting Chemotherapy Responsiveness in Breast Cancer Patients
11/887,346	2/13/2009	R04-222-223Y ROS-ACV-0223-US	Human Niemann Pick C1-Like 1 Gene (NPC1L1) Polymorphisms and Methods of Use Thereof
11/894,403	8/21/2007	R06-091-226 RS0226 ROS-MIS-0226-US	Filter Hub Assembly and Methods of Use
11/940,934	11/15/2007	R03-093-420CON RS0082CA	Method of Purifying Nucleic Acid Molecules Using Proteinase K
11/985,979	11/19/2007	R05-126-261 RS0114	Systems and Methods for Personalized Medicine Using Linkage Analysis
11/986,001	11/19/2007	R06-180-257 RS0115	Systems and Methods for Personalized Medicine Using Associations Tests
12/170,344	7/9/2008	R06-079-465	Methods and Compositions for Monitoring Gene Expression Using Nuclease Protection
12/210,066	9/12/2008	R03-056-879CON	Methods for Storing Compositions Useful for Synthesizing N.A. Molecules
12/214,878	6/23/2008	R01-071-268DIV	Diagnosis and Prognosis of Breast Cancer Patients
12/280,504	8/22/2008	R05-227-657	Extraction and Diagnostic Fluid Devices, Systems, and Methods of Use
12/283,903	9/15/2008	R07-101-230Y	Methods and Compositions for Regulating Cell Cycle Progression Via the MIR-106B Family
12/286,397	9/29/2008	R07-014-231	Cancer Therapy Biomarkers
12/304,968	12/15/2008	R06-068-936	Methods and Compositions for Regulating Cell Cycle Progression
12/307,114	12/30/2008	R05-226-260	Genes Associated with Chemotherapy Response and Uses Thereof
12/370,264	2/12/2009	R07-015-955	Methods for Diagnosis and/or Prognosis of Colon Cancer

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60/127,223	3/31/1999	R99-022-9 RS0046	Methods for the Identification of Reporter & Target Molecules Using Comprehensive Gene Expression Profiles
60/144,382	7/16/1999	R99-034-46 RS0023PV	Iterative Probe Design & Detailed Expression Profiling with Flexible In-Situ Synthesis Arrays
60/154,563	9/17/1999	R99-031-44 RS0052PV	Methods for Determining the Specificity & Sensitivity of Oligonucleotides for Hybridization
60/227,902	8/25/2000	R00-079-84P RS0025PV	Compositions & Methods for Exon Profiling
60/227,966	8/25/2000	R00-061-83P RS0043PV	Gene Discovery Using Microarrays
60/253,641	11/28/2000	R00-099-124 PRS0027PV	Random-Primed Reverse Transcriptase In-Vitro Transcription Method for RNA Amplification
60/268,173	2/12/2001	R00-061-134P RS0044PV	Confirming the Exon Content of RNA Transcripts by PCR Using Primers Complementary to Each Respective Exon
60/286,588	4/26/2001	R00-126-97P RS0028PV	Methods & Compositions for Utilizing Changes of Hybridization Signals During Approach to Equilibrium
60/296,495	6/6/2001	R00-129-130P RS0030PV	Hybridization Cartridge for Microarrays
60/298,918	6/18/2001	R01-071-141P RS0037PV	Prognosis of Breast Cancer Patients
60/309,067	7/31/2001	R00-126-156P RS0029PV	Methods & Compositions for Utilizing Changes of Hybridization Signals During Approach to Equilibrium
60/316,648	8/31/2001	R01-079-149 RS0035PV	Methods for Preparing Nucleic Acid Samples Useful for Screening DNA Arrays
60/353,416	2/1/2002	R01-191-167PV RS0065PV	Computer System & Method for Identifying Genes and Determining Pathways Associated with Traits
60/380,710	5/14/2002	R01-071-175PV RS0036PV	Diagnosis & Prognosis of Breast Cancer Patients
60/381,437	5/16/2002	R01-191-180PV RS0065PV2	Computer System & Method for Identifying Genes and Determining Pathways Associated with Traits
60/382,036	5/20/2002	R02-028-173PV RS0067PV	Computer System & Methods for Subdividing a Complex Disease into Component Diseases
60/382,629	6/28/2002	R01-123-159 RS0032	Methods to Assess Quality of Microarrays

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60/400,522	8/2/2002	R02-079-186PV RS0051PV	Computer Systems & Methods that Use Clinical & Expression Quantitative Trait Loci to Associate Genes w/Traits
60/432,200	12/10/2002	R02-047-181PV RS0063PV	Automated System and Method for Preparing a Hybridization-Ready Biological Sample
60/436,684	12/27/2002	R02-029-174PV RS0062	Computer Systems and Methods for Associating Genes with Traits Using Cross-Species Data
60/437,246	12/30/2002	R02-111-785PV RS0034PV	Method for Recycling mRNA for Linear cRNA Amplification
60/451,219	2/27/2003	R02-047-206PV2 RS0063PV2	Automated System & Method for Preparing a Hybridization-Ready Biological Sample
60/460,303	4/2/2003	R02-079-205PV2 RS0071PV2	Computer Systems & Methods that Use Clinical & Expression Quantitative Trait Loci to Associate Genes with Traits
60/460,304	4/2/2003	R02-028- 202PV2RS0067PV2	Computer Systems & Methods for Subdividing a Complex Disease into Component Diseases
60/460,343	4/2/2003	R02-029-204PV2 RS0062PV2	Computer Systems & Methods for Associating Genes with Traits Using Cross-Species Data
60/471,392	5/16/2003	R02-134-195PV RS0072PV	Methods & Compositions for RNA Interference
60/474,488	5/30/2003	R02-139-263PV RS0073PV	Methods for Identifying Modulators of Kinesin Activity
60/474,730	5/30/2003	R02-065-182PV RS0069PV	Computer Systems & Methods for Identifying Surrogate Markers
60/475,873	6/3/2003	R02-139-187PV2 RS0073PV2	Methods for Identifying Modulators of Kinesin Activity
60/478,382	6/13/2003	R03-008-604PV RS0075PV	Method for Making Populations of Defined Nucleic Acid Molecules
60/479,817	6/18/2003	R02-081-189PV RS0076PV	Methods for Characterizing Tissue or Organ Condition or Status
60/492,682	8/5/2003	R03-072-208PV RS0077PV	Computer Systems & Methods for Inferring Causality from Cellular Constituent Abundance Data
60/495,977	8/18/2003	R03-056-210PV RS0078PV	Methods for Storing Compositions Useful for Synthesizing Nucleic Acid Molecules
60/497,470	8/21/20003	R03-072-221PV2 RS0077PV2	Computer Systems & Methods for Inferring Causality from Cellular Constituent Abundance Data
60/505,229	9/22/2003	R02-135-197PV RS0080PV	Synthetic Screen Using RNA Interference
60/513,933	10/24/2003	R03-093-656PV RS0082PV	Method of Purifying Nucleic Acid Molecules Using Proteinase K

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60/515,180	10/27/2003	R03-141-223PV RS0083PV	Method of Designing siRNA for Gene Silencing
60/515,233	10/27/2003	R02-134-225PV2 RS0072PV2	Methods and Compositions for RNA Interference
60/548,568	2/27/2004	R02-135-233PV2 RS0080PV2	Synthetic Lethal Screen Using RNA Interference
60/550,810	3/5/2004	R03-139-229PV RS0085PV	Classification of Breast Cancer Patients Using a Combination of Clinical Criteria and Informative Genesets
60/553,838	3/17/2004	R02-139-581PV3 RS0073PV3	Methods for Identifying Modulators of Kinesin Activity
60/554,284	3/17/2004	R02-135-234PV3 RS0080PV3	Synthetic Lethal Screen Using RNA Interference
60/562,392	4/15/2004	R04-031-536PV RS0087PV	Methods of Identifying Genes that Mediate a Response of a Living Cell to an Agent
60/567,075	4/30/2004	R03-102-220PV RS0089PV	An Integrative Genomics Approach to the Reconstruction of Gene Networks in Segregating Populations
60/572,314	5/17/2004	R03-141- 226PV2RS0083PV2	Methods of designing siRNA for Gene Silencing
60/575,499	5/28/2004	R03-072-222PV3 RS0077PV3	Computer Systems and Methods for Inferring Causality from Cellular Constituent Abundance Data
60/578,223	6/8/2004	R03-095-001PV RS0090PV	Method for Designing, Implementing and Analyzing Gene Expression Experiments
60/592,858	7/30/2004	R04-082-239PV RS0091PV	Prognosis of Age 55 and Up Breast Cancer Patients
60/604,076	8/24/2004	R03-139-238PV2 RS0085PV2	SubClassification of Poor Prognosis of Breast Cancer Patients
60/608,682	9/10/2004	R04-107-048PV RS0092PV	Methods for Assessing the Representation of Nucleic Acid Molecules in a Nucleic Acid Library
60/619,347	10/15/2004	R04-131-237PV RS0093PV	Tracking Biological Samples and Their Processing History
60/647,178	1/25/2005	R04-172-905PV RS0094PV	Method to Measure the Amount of Small RNA Molecules
60/650,365	2/4/2005	R05-005-249PV RS0095PV	Methods of Predicting Chemotherapy Responsiveness in Breast Cancer Patients
60/650,401	2/4/2005	R03-139-250PV3 RS0085PV3	Classification of Breast Cancer Patients Using a Combination of Clinical Criteria and Informative Gene Sets
60/667,047	3/30/2005	R04-222-223PV RS0223PV	Human Niemann Pick C1-Like 1 Gene (NPC1L1) Polymorphisms and Methods of Use Thereof

# SCHEDULE 1



60/668,773	4/5/2005	R04-091-318PV RS0096PV	Methods for Characterizing Agonists and Partial Agonists of Target Molecules
60/673,078	4/19/2005	R04-072-264PV RS0097PV	Assessing the Suitability of an RNA Sample for Use in a Hybridization Experiment
60/701,589	7/22/2005	R04-191-920PV RS0099PV	Methods for Determining Whether a Chemical Agent Modulates Enzymatic Activity of an L-2-Hydroxy Acid Oxidase
60/717,465	9/14/2005	R04-222-223PV2 RS0223PV2	NPC1L1 Polymorphism & Methods of Using Same
60/720,356	9/23/2005	R04-099-242PV RS0100PV	Systems & Methods for Associating a Gene with a Disease
60/721,051	9/27/2005	R05-117-666PV RS0101PV	Methods to Evaluate Glucocorticoid Receptor Agonists and Antagonists for Effects on Neuron-Like Cells
60/724,090	10/6/2005	R04-072-400PV2 RS0097PV2	Assessing the Suitability of an RNA Sample for Use in a Hybridization Experiment
60/730,595	10/26/2005	R04-123-758PV RS0103PV	Methods for Identifying Agents that Modulate GPR105 Activity
60/731,529	10/27/2005	R05-142-063PV RS0104PV	Nucleic Acid Amplification Using Non-Random Primers
60/736,040	11/10/2005	R04-076-225PV RS0106PV	Methods and Compositions for Characterization of HSD1 Inhibitors
60/751,455	12/15/2005	R05-118-253PV RS0107PV	Diagnosis and Prognosis of CML Using Molecular Profiles
60/776,257	2/24/2006	R05-227-918PV RS0108PV	Extraction and Diagnostic Fluid Devices, Systems and Methods of Use
60/790,458	4/7/2006	R05-142-050PV2 RS0104PV2	Nucleic Acid Amplification Using Non-Random Primers
60/798,017	5/5/2006	R05-191-183PV RS0109PV	Methods and Compositions for Generating Gene Delivery Vectors
60/812,533	6/9/2006	R05-136-266PV RS0110PV	Methods for Assessing the Quality of Amplified Nucleic Acid Samples and Gene Expression Data Derived Therefrom
60/813,827	6/14/2006	R06-068-500PV RS0111PV	Methods and Compositions for Regulating Cell Cycle Progression
60/818,262	6/30/2006	R05-226-260PV RS0112PV	Genes Associated with Chemotherapy Response and Uses Thereof
60/840,267	8/24/2006	R06-091-226PV RS0226PV ROS-MIS-0226-US-PSP	Filter Hub Assembly System and Methods of Use
60/859,718	11/17/2006	R05-126-261PV RS0114PV	Systems and Methods for Personalized Medicine Using Linkage Analysis

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60/859,757	11/17/2006	R06-180-257PV RS0115PV	Systems and Methods for Personalized Medicine Using Associations Tests
60/927,621	5/3/2007	R06-146-228PV RS0228PV ROS-ONC-0228-US-PCP	TP53 Function Biomarker and MiRNA-Based Therapeutics
60/948,645	7/9/2007	R06-079-644	Methods and Compositions for Monitoring Gene Expression Using Nuclease Protection
60/983,085	10/26/2007	R07-119-902PV RS0121PV	cDNA Synthesis Using Non-Random Primers
60/993,737	9/15/2007	R07-101-230PV RS0230PV ROS-ONC-0230-US-PCP	Methods and Compositions for Regulating Cell Cycle Progression via the miR-106B Family
60/995,156	9/24/2007	R06-193-265PV RS119PV	Methods of Designing Short Hairpin RNAs for Gene Silencing
60/997,321	10/1/2007	R07-014-231PV RS0231PV ROS-ONC-0231-US-PCP	Cancer Therapy Biomarkers
61/005,322	12/3/2007	R07-101-230PV2 RS0230PV2 ROS-ONC-0230-US-PCP2	Methods and Compositions for Regulating Cell Cycle Progression via the miR-106B Family
61/028,468	2/13/2008	R07-015-031PV RS0122PV	Methods for Diagnosis and/or Prognosis of Colon Cancer
61/074,551	6/20/2008	R08-033-047PV	Compositions and Methods of Depleting Amyloid-Beta Peptides from Cerebrospinal fluid to Treat Alzheimer's Disease
61/079,771	7/10/2008	R08-079-298PV	Methods of Using Compositions Comprising MIR-192 and/or MIR-215 for the Treatment of Cancer
61/095,579	9/9/2008	R07-185-330PV	Methods of Generating Gene Specific Libraries
61/125,448	4/25/2008	R07-170-001PV ROS-MIS-00001-US-PSP	MicroRNA Biomarkers of Tissue Injury
61/133,976	7/3/2008	R08-002-001PV ROS-ONC-0001-US-PSP	Stemness Signature Biomarkers and Methods of Use
61/164,859	3/30/2009	R09-001-396PV	Methods for Generating Target Specific Probes for Solution Based Capture
61/176,806	5/8/2009	R09-002-398PV	Methods for Detecting Genetic Variations in DNA Samples
61/210,601	3/19/2009	R07-170-001PV2 ROS-MIS-00001-US-PSP(2)	MicroRNA Biomarkers of Tissue Injury

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National Patent Applications			
Serial #	Country	Rosetta Ref #	Title
2004276823	Australia	R02-135-243	Synthetic Lethal Screen Using RNA Interference
2004286261	Australia	R03-141-244	Method of Designing siRNA for Gene Silencing
2005233627	Australia	R04-031-462	Methods for Identifying Genes that Mediate a Response of a Living Cell to an Agent
2005267756	Australia	R04-082-254	Prognosis of Breast Cancer Patients
2006208134	Australia	R04-172-641	Methods for Quantitating Small RNA Molecules
2006230612	Australia	R04-222-223Y	Human Niemann Pick C1-Like 1 Gene (NPC1L1) Polymorphisms and Methods of Use Thereof
2,451,074	Canada	R01-071-175	Diagnosis & Prognosis of Breast Cancer Patients
2,513,642	Canada	R01-071-188	Diagnosis and Prognosis of Breast Cancer Patients
2,525,619	Canada	R02-134-227	Methods and Compositions for RNA Interference
2,527,799	Canada	R02-139-792	Methods for Identifying Modulators of Kinesin Activity
2,539,651	Canada	R02-135-243	Synthetic Lethal Screen Using RNA Interference
2,543,954	Canada	R03-141-244	Method of Designing siRNA for Gene Silencing
2,558,808	Canada	R03-139-251	Classification of Breast Cancer Patients Using a Combination of Clinical Criteria & Informative Genesets
2,563,407	Canada	R04-031-462	Methods for Identifying Genes that Mediate a Response of a Living Cell to an Agent
2,575,557	Canada	R04-082-254	Prognosis of Breast Cancer Patients
2,602,741	Canada	R04-222-223Y	Human Niemann Pick C1-Like 1 Gene (NPC1L1) Polymorphisms and Methods of Use Thereof
2,562,740	Canada	R04-123-880	Methods for Identifying Agents that Modulate GPR105 Activity
2,626,977	Canada	R05-142-881	Nucleic Acid Amplification Using Non-Random Primers
03820373.1	China	R01-123-159	Methods to Assess Quality of Microarrays
200480034189.0	China	R02-135-243	Synthetic Lethal Screen Using RNA Interference

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200480039226.7	China	R03-141-244	Method of Designing siRNA for Gene Silencing
200580019186.4	China	R04-031-462	Methods for Identifying Genes that Mediate a Response of a Living Cell to an Agent
2746538.4	EPC	R01-071-175	Diagnosis & Prognosis of Breast Cancer Patients
4702566.3	EPC	R01-071-188	Diagnosis and Prognosis of Breast Cancer Patients
3762218.0	EPC	R01-123-159	Methods to Assess Quality of Microarrays
4776024.4	EPC	R02-134-227	Methods and Compositions for RNA Interference
4753954.9	EPC	R02-139-792	Methods for Identifying Modulators of Kinesin Activity
4816246.5	EPC	R02-135-243	Synthetic Lethal Screen Using RNA Interference
4810056.4	EPC	R03-141-244	Method of Designing siRNA for Gene Silencing
5725207.4	EPC	R03-139-251	Classification of Breast Cancer Patients Using a Combination of Clinical Criteria & Informative Genesets
5744577.7	EPC	R04-031-462	Methods for Identifying Genes that Mediate a Response of a Living Cell to an Agent
5784452.4	EPC	R04-082-254	Prognosis of Breast Cancer Patients
6719447.2	EPC	R04-172-641	Methods for Quantitating Small RNA Molecules
6740577.9	EPC	R04-222-223Y	Human Niemann Pick C1-Like 1 Gene (NPC1L1) Polymorphisms and Methods of Use Thereof
6827033.9	EPC	R05-142-881	Nucleic Acid Amplification Using Non-Random Primers
5681/DELNP/2005	India	R02-139-792	Methods for Identifying Modulators of Kinesin Activity
1356/CHENP/2006	India	R02-135-243	Synthetic Lethal Screen Using RNA Interference
1863/CHENP/2006	India	R03-141-244	Method of Designing siRNA for Gene Silencing
5996/DELNP/2006	India	R04-031-462	Methods for Identifying Genes that Mediate a Response of a Living Cell to an Agent
2006-500977	Japan	R01-071-188	Diagnosis and Prognosis of Breast Cancer Patients
2004-518087	Japan	R01-123-159	Methods to Assess Quality of Microarrays
2006-514886	Japan	R02-134-227	Methods and Compositions for RNA Interference



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2006-533541	Japan	R02-139-792	Methods for Identifying Modulators of Kinesin Activity
2006-527165	Japan	R02-135-243	Synthetic Lethal Screen Using RNA Interference
2006-538215	Japan	R03-141-244	Method of Designing siRNA for Gene Silencing
2007-508479	Japan	R04-031-462	Methods for Identifying Genes that Mediate a Response of a Living Cell to an Agent
2008-504539	Japan	R04-222-223Y	Human Niemann Pick C1-Like 1 Gene (NPC1L1) Polymorphisms and Methods of Use Thereof
2008-538067	Japan	R05-142-881	Nucleic Acid Amplification Using Non-Random Primers
MX/a/2007/012170	Mexico	R04-222-223Y	Human Niemann Pick C1-Like 1 Gene (NPC1L1) Polymorphisms and Methods of Use Thereof
562880	New Zealand	R04-222-223Y	Human Niemann Pick C1-Like 1 Gene (NPC1L1) Polymorphisms and Methods of Use Thereof
2007-08214	S. Africa	R04-222-223Y	Human Niemann Pick C1-Like 1 Gene (NPC1L1) Polymorphisms and Methods of Use Thereof

<b>Active PCT Patent Applications</b>			
<b>Serial #</b>	<b>Country</b>	<b>Rosetta &amp; Merck Ref. #</b>	<b>Title</b>
PCT/US08/062681	PCT	R06-146-022	Methods of using mir34 as a Biomarker for TP53 Functional Status
PCT/US08/062689	PCT	R06-146-262	Compositions Comprising mir34 Therapeutic Agents for Treating Cancer
PCT/US08/011010	PCT	R06-193-265	Methods of Designing Short Hairpin RNAs (shRNAs) for Gene Silencing
PCT/US08/081206	PCT	R07-119-937	cDNA Synthesis Using Non-Random Primers
PCT/US08/070430	PCT	R04-172-297	Methods for Quantitating Small RNA Molecules
PCT/US09/041666	PCT	R07-170-001	MicroRNA Biomarkers of Tissue Injury
PCT/US09/047996	PCT	R08-033-047	Compositions and Methods of Depleting Amyloid-Beta Peptides from Cerebrospinal Fluid to Treat Alzheimer's Disease