

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																		
NATURE OF CONVEYANCE:	ASSIGNMENT																		
CONVEYING PARTY DATA																			
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Mark Cancilla</td> <td>09/26/2011</td> </tr> <tr> <td>James J. Cunningham</td> <td>10/03/2011</td> </tr> <tr> <td>W. Michael Flanagan</td> <td>09/26/2011</td> </tr> <tr> <td>Henry J. Haringsma</td> <td>09/26/2011</td> </tr> <tr> <td>Denise Kenski</td> <td>09/26/2011</td> </tr> <tr> <td>Matthew G. Stanton</td> <td>10/03/2011</td> </tr> <tr> <td>Steven M. Stirdivant</td> <td>10/03/2011</td> </tr> <tr> <td>Aarron Willingham</td> <td>09/26/2011</td> </tr> </tbody> </table>		Name	Execution Date	Mark Cancilla	09/26/2011	James J. Cunningham	10/03/2011	W. Michael Flanagan	09/26/2011	Henry J. Haringsma	09/26/2011	Denise Kenski	09/26/2011	Matthew G. Stanton	10/03/2011	Steven M. Stirdivant	10/03/2011	Aarron Willingham	09/26/2011
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<table border="1"> <tr> <td>Name:</td> <td>Merck Sharp & Dohme Corp.</td> </tr> <tr> <td>Street Address:</td> <td>126 East Lincoln Avenue</td> </tr> <tr> <td>City:</td> <td>Rahway</td> </tr> <tr> <td>State/Country:</td> <td>NEW JERSEY</td> </tr> <tr> <td>Postal Code:</td> <td>07065</td> </tr> </table>		Name:	Merck Sharp & Dohme Corp.	Street Address:	126 East Lincoln Avenue	City:	Rahway	State/Country:	NEW JERSEY	Postal Code:	07065								
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CORRESPONDENCE DATA																			
Fax Number:	7325944720																		
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																			
Phone:	732-594-9079																		
Email:	us_efs@merck.com																		
Correspondent Name:	Merck																		
Address Line 1:	126 East Lincoln Avenue																		
Address Line 2:	RY86-2011A																		
Address Line 4:	Rahway, NEW JERSEY 07065																		

CH \$40.00 13881415

ATTORNEY DOCKET NUMBER:	SIR-MIS-00134-US-PCT
NAME OF SUBMITTER:	Peter Haerberli
Signature:	/Peter Haerberli, Reg. #52,980/
Date:	04/25/2013

Total Attachments: 9

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WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Mark Cancilla, located, located at San Francisco, CA,
- (2) James J. Cunningham, located at West Point, PA,
- (3) W. Michael Flanagan, located at San Francisco, CA,
- (4) Henry J. Haringsma, located at San Francisco, CA,
- (5) Denise Kenski, located at San Francisco, CA,
- (6) Matthew G. Stanton, located at West Point, PA,
- (7) Steven M. Stirdivant, located at West Point, PA,
- (8) Aaron Willingham, located at San Francisco, CA,

(hereinafter ASSIGNOR(S)), is/are the inventor(s) of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

**RNA INTERFERENCE MEDIATED INHIBITION OF GENE EXPRESSION USING
SHORT INTERFERING NUCLEIC ACID (siNA)**

and/or in the following application(s):

U.S. Provisional Application No. 61/408,428 filed on October 29, 2010; and
U.S. Provisional Application No. 61/408,303 filed on October 29, 2010.

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, Merck Sharp & Dohme Corp., a corporation organized under the laws of the State of New Jersey, having an office at 126 East Lincoln Avenue, Rahway, New Jersey 07065, and its successors, assigns and legal representatives (hereinafter ASSIGNEE), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said ASSIGNEE my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of ASSIGNEE, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said ASSIGNEE, to the full ends of the terms for which all Letters Patent therefore may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

AND I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of ASSIGNEE, without further compensation or charge to said ASSIGNEE, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of ASSIGNEE, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize ASSIGNEE to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Executed this 26 day of September, 2011.

[Signature]
Mark Cancilla

ACKNOWLEDGEMENT

State of California
County of San Francisco

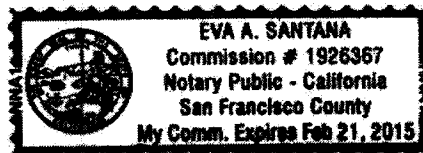
On Sept 26, 2011, before me, Eva A. Santana,

personally appeared Mark Cancilla, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to within instrument and acknowledged to me that he/she/they executed the same in his/her/their authority capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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]
Notary Public



Executed this 3rd day of October, 2011.

[Signature]
James J. Cunningham

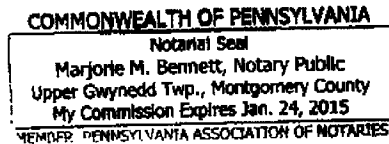
ACKNOWLEDGEMENT

Commonwealth of Pennsylvania)
State of Pennsylvania)
County of Montgomery) ss

On October 3, 2011, personally appeared before me James J. Cunningham, to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

[Signature]
Notary Public



Executed this 26 day of September, 2011.

W. Michael Flanagan
W. Michael Flanagan

ACKNOWLEDGEMENT

State of California
County of San Francisco

On Sept 26, 2011, before me, Eva A. Santana,

personally appeared W. Michael Flanagan, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to within instrument and acknowledged to me that he/she/they executed the same in his/her/their authority capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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,

E.A. Santana
Notary Public



Executed this 26 day of September, 2011.


Henry J. Haringsma

ACKNOWLEDGEMENT

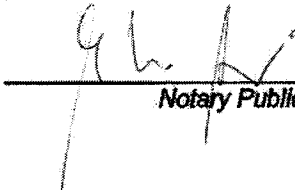
State of California
County of San Francisco

On Sept 26, 2011, before me, Eva A. Santana

personally appeared Henry J. Haringsma, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to within instrument and acknowledged to me that he/she/they executed the same in his/her/their authority capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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,


Notary Public



Executed this 26 day of Sept, 2011.

Denise Kenski
Denise Kenski

ACKNOWLEDGEMENT

State of California

County of San Francisco

On Sept 26, 2011, before me, Eva A. Santana

personally appeared Denise Kenski, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to within instrument and acknowledged to me that he/she/they executed the same in his/her/their authority capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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]
Notary Public



Executed this 3rd day of October, 2011.

Matthew G. Stanton
Matthew G. Stanton

ACKNOWLEDGEMENT

Commonwealth of Pennsylvania
State of Pennsylvania)
County of Montgomery) ss

On October 3, 2011, 2011, personally appeared before me Matthew G. Stanton, to me known, and known by me to be the same person described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Marjorie M. Bennett
Notary Public

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Marjorie M. Bennett, Notary Public
Upper Gwynedd Twp., Montgomery County
My Commission Expires Jan. 24, 2015
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

Executed this 3rd day of October, 2011.

Steven M. Stirdivant
Steven M. Stirdivant

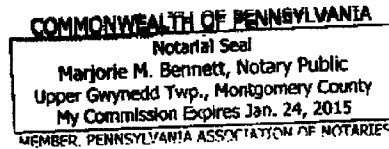
ACKNOWLEDGEMENT

Commonwealth of Pennsylvania
State of Pennsylvania)
County of Montgomery) ss

On October 3, 2011, personally appeared before me Steven Stirdivant to me known, and known by me to be the same person described in and who executed the foregoing Instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Marjorie M. Bennett
Notary Public



Executed this 26 day of Sept, 2011.

[Signature]
Aaron Willingham

ACKNOWLEDGEMENT

State of California
County of San Francisco

On Sept 26, 2011, before me, Eva A. Santana,

personally appeared Aaron Willingham, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to within instrument and acknowledged to me that he/she/they executed the same in his/her/their authority capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) 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]
Notary Public

