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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY	DATA				
		Name	Name		
LEONID BEIGELMAN				08/31/2012	
RECEIVING PARTY D	ΑΤΑ				
Name:	MERCK	MERCK SHARP & DOHME CORP.			
Street Address:	126 EA	126 EAST LINCOLN AVENUE			
City:	RAHWA	RAHWAY			
State/Country:	NEW JE	NEW JERSEY			
Postal Code:	07065	07065			
PROPERTY NUMBER		Number			
Property Type					
Application Number:		14514112			
CORRESPONDENCE	DATA				
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ATTORNEY DOCKET NUMBER:		A2038-720626	A2038-720626		
NAME OF SUBMITTER:		HANNAH R. KOYFMAI	HANNAH R. KOYFMAN		
SIGNATURE:		/Hannah R. Koyfman/	/Hannah R. Koyfman/		
DATE SIGNED:		04/02/2015	04/02/2015		
Total Attachments: 2					
•		ntors to Merck signed by Beig			
source=Executed Assig	nment Inve	ntors to Merck signed by Beig	jelman as r	ecorded#page2.tif	

Attorney Docket No.: SIR-MIS-00001-US-CNT-20

WORLDWIDE ASSIGNMENT

WHEREAS, IME,

(1) James McSwiggen, located at Arlington, MA 02474,

(2) Leonid Beigelman, located at San Mateo, CA, 94402,

(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 CHEMICALLY MODIFIED SHORT INTERFERING NUCLEIC ACID (SINA)

and/or in the following application(s):

U.S. Application No. 13/480,655 having a filing date of 05/25/2012;

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, relevant, 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.

Computer Generated Template "Assignment-Merck Sharp & Dohma, Single Assignes Worklwide" (Assignment) Merck Sharp & Dohme Corp. 11/04/2010

PATENT REEL: 035325 FRAME: 0047

Attorney Docket No.: SIR-MIS-00001-US-CNT-20

Executed this _____ day of , 2012

James McSwiggen

ACKNOWLEDGEMENT

State of Massachusetts

County of Middlesex

, 2012, personally appeared before me James McSwiggen to me known, On this day of 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.

) S.S.:

(Seal)

Notary Public

Executed this 31 day of August , 2012

Leonid Beigeima

ACKNOWLEDGEMENT

State of California

County of San Mateo

On this 3/ day of 2012, personally appeared before me Leonid Belgelman 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.

) s.s.:

(Seal)

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PATENT REEL: 035325 FRAME: 0048



Page 2 of 2 Computer Generated Template "Assignment Marck Sharp & Dohmo, Single Assignee Worldwide" (Assignment) Merck Sharp & Dohmo Corp. 11/04/2010

RECORDED: 04/02/2015