PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
DAVID BALTIMORE	08/05/2008
RYAN O'CONNELL	08/05/2008
KONSTANTIN TAGANOV	08/05/2008
MARK BOLDIN	08/14/2008

RECEIVING PARTY DATA

Name:	CALIFORNIA INSTITUTE OF TECHNOLOGY	
Street Address:	1200 EAST CALIFORNIA BLVD.	
Internal Address:	MALL CODE 201-85	
City:	PASADENA	
State/Country:	CALIFORNIA	
Postal Code:	91125	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14138472

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	REGLS.001C1
NAME OF SUBMITTER:	JING LIU
SIGNATURE:	/Jing Liu/
DATE SIGNED:	02/03/2016
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Total Attachments: 5

PATENT REEL: 037654 FRAME: 0656

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ASSIGNMENT

WHEREAS, We, David Baltimore, a US citizen, residing at 1255 South Grand Ave, Pasadena, CA 91105, Ryan O'Connell, a US citizen, residing at 518 S. El Molino Ave., #301, Pasadena, CA 91101, Konstantin Taganov, a Russian citizen, residing at 1312 Cordova, Pasadena, CA 91106 and Mark Boldin, an Israeli citizen, residing at 518 S. El Molino Ave., #305, Pasadena CA 91101 have invented certain new and useful improvements in MICRORNA INHIBITION FOR THE TREATMENT OF INFLAMMATION AND MYELOPROLIFERATIVE DISORDERS for which we have filed an application for Letters Patent in the United States, Application No. 12/122,595, Filed on May 16, 2008;

AND WHEREAS, CALIFORNIA INSTITUTE OF TECHNOLOGY (hereinafter "ASSIGNEE"), a California Corporation, with its principal place of business at 1200 East California Blvd, Mail Code 201-85, Pasadena, CA 91125, desires to acquire the entire right; title, and interest in and to said improvements and said Application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I, said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under said improvements, and said application including all provisional applications relating thereto (including but not limited to U.S. Provisional Application No. 60/930,461, filed May 16, 2007, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which May hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, his successors, logal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND WE HEREBY covenant and agree that we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissure applications, make all rightful oaths and generally do everything possible to aid said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

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Application No.: 12/122,595 Client Code: REGLS.001A Filing Date: May 16, 2008 Page 2 IN TESTIMONY WHEREOF, I hereunto set my hand and seal this ____ day of STATE OF COUNTY OF STO Angeles On <u>May 6,2008</u>, before me, <u>SCar Lulla</u>, notary public, personally appeared David Baltimore who proved to me on the basis of satisfactory evidence to be the person(x) whose name(x) is/are subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(iee), and that by his signature(e) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under FENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. WITNESS my hand and official seal. [SEAL]

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 5 day of Argust 2008

Ryan O'Connell

Votary Signature

STATE OF

COUNTY OF Jos Angeles ss.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my fland and official seal.

[SEAL]

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 5 day of ougust 2008

Konstantin Taganov

STATE OF

COUNTY OF Jos Angeles

SS.

On 100 5,2008, before me, Con 2006, notary public, personally appeared Konstantin Taganov who proved to me on the basis of satisfactory evidence to be the person(**) whose name(**) is/asse subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(***), and that by his signature(**) on the instrument the person(**), or the entity upon behalf of which the person(**) 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.

[SEAL]

Notary Signature

E. CARDEUA

Commission # 1689041

Motory Public - Colfornic

Los Angeles County

My Comm. Explass Sep 18, 2010

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IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 1414 day of

Mark Boldin

STATE OF CALIFORNIA

COUNTY OF Las Angeles

58,

On Qualify, 2008, before me, KONAK D. Blocks, notary public, personally appeared Mark Boldin who proved to me on the basis of satisfactory evidence to be the person(s) whose flame(s) is/ape subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity(ies), and that by his 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.

[SEAL]

Notary Signature

Commission # 1776064 Notary Public - California Los Angelés County My Corren. Resea Dec 2, 2011

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PATENT REEL: 037654 FRAME: 0662

RECORDED: 02/03/2016