

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HOWARD HUGHES MEDICAL INSTITUTE	08/20/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	CALIFORNIA INSTITUTE OF TECHNOLOGY
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<b>City:</b>	PASADENA
<b>State/Country:</b>	CALIFORNIA
<b>Postal Code:</b>	91125
<b>PROPERTY NUMBERS Total: 3</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	62725020
<b>Application Number:</b>	62777420
<b>Application Number:</b>	16555604
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	30KJ-300661-P/P2/US
<b>NAME OF SUBMITTER:</b>	Y. PAUL CHANG
<b>SIGNATURE:</b>	/ Y. Paul Chang /
<b>DATE SIGNED:</b>	10/10/2019
<b>Total Attachments: 2</b>	
source=CIT-8076_30KJ-300661-P_Assignment from HHMI to Caltech [Executed]#page1.tif	
source=CIT-8076_30KJ-300661-P_Assignment from HHMI to Caltech [Executed]#page2.tif	

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## ASSIGNMENT

WHEREAS, **Howard Hughes Medical Institute**, a Delaware Corporation, having an address at 4000 Jones Bridge Road, Chevy Chase, MD, 20815-6789 (hereinafter "ASSIGNOR"), have rights and interests in certain new and useful improvements, technology, inventions, developments, ideas, ornamental design or discoveries related to **USING MODIFIED RABIES VIRUSES AS AN RNA-BASED DELIVERY SYSTEMS WITH FOUR DISTINCT LEVELS OF CONTROL** (collectively hereinafter referred to as the "Work") for which applications for Letters Patent in the United States have been filed (identified above) with the United States Patent and Trademark Office (hereinafter the "Application");

WHEREAS, **California Institute of Technology**, a California Corporation, having an address at 1200 E. California Blvd. Pasadena, CA 91125 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Application and the Work;

AND WHEREAS the ASSIGNOR has appointed **Michael B. Elowitz** as its agent for the purposes of assigning its right, title, and interest in and to the Application and Work to ASSIGNEE.

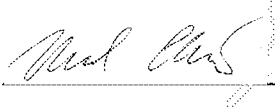
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR hereby acknowledges that ASSIGNOR has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Application and the Work, including all provisional applications relating thereto, and all nonprovisional applications claiming priority thereto, including, all divisions, continuations, continuations-in-part, reissues, and reexaminations 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 any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNOR hereby authorizes and requests 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 related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal 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 ASSIGNOR DOES HEREBY covenant and agree that ASSIGNOR will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Application and the Work or any improvements made thereto, sign all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Application and the Work including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries.

**ASSIGNOR (Conveying Party)**

Howard Hughes Medical Institute

By:  2019.08.20  
07:29:53 -05'00'

Michael B. Elowitz

Agent for Howard Hughes Medical Institute

Date: \_\_\_\_\_