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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIAOJING GAO	08/19/2019
LUCY S. CHONG	08/27/2019
MATTHEW S-M KIM	08/21/2019

RECEIVING PARTY DATA

Name:	CALIFORNIA INSTITUTE OF TECHNOLOGY	
Street Address:	1200 E. CALIFORNIA BLVD.	
City:	PASADENA	
State/Country:	CALIFORNIA	
Postal Code:	91125	

PROPERTY NUMBERS Total: 3

Property Type	Number
Application Number:	62725020
Application Number:	62777420
Application Number:	16555604

CORRESPONDENCE DATA

Fax Number: (858)720-8900

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 8587208900

Email: DMIPDocketing@sheppardmullin.com

SHEPPARD, MULLIN, RICHTER & HAMPTON LLP **Correspondent Name:**

Address Line 1: 12275 EL CAMINO REAL

Address Line 2: SUITE 200

Address Line 4: SAN DIEGO, CALIFORNIA 92130

DATE SIGNED:	10/10/2019
SIGNATURE:	/ Y. Paul Chang /
NAME OF SUBMITTER:	Y. PAUL CHANG
ATTORNEY DOCKET NUMBER:	30KJ-300661-P/P2/US

Total Attachments: 4

PATENT REEL: 050681 FRAME: 0005

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Application No.: 62/725,020, filed August 30, 2018 Application No.: 62/777,420, filed December 10, 2018 Docket Number: 30KJ-300661-P / CIT-8076-P Docket Number: 30KJ-300661-P2 / CIT-8076-P2

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ASSIGNMENT

WHEREAS, Xiaojing Gao, residing at Los Angeles, CA, Lucy S. Chong, residing at Pasadena, CA, and Matthew S-M Kim, residing at San Francisco, CA, (individuals hereinafter "ASSIGNOR"), invented 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");

AND WHEREAS, **California Institute of Technology**, 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.

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.

Application No.: 62/725,020, filed August 30, 2018 Docket Number: 30KJ-300661-P / CIT-8076-P Application No.: 62/777,420, filed December 10, 2018 Docket Number: 30KJ-300661-P / CIT-8076-P2 Page 2 of 4

Legal Name of Inventor: Xiaojing Gao	- Bond		
Signature:	0 4	Date: _	08/19/19

Application No.: 62/725,020, filed August 30, 2018 Application No.: 62/777,420, filed December 10, 2018

Docket Number: 30KJ-300661-P / CIT-8076-P Docket Number: 30KJ-300661-P2 / CIT-8076-P2

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Legal	Name of	Inventor:	Lucy S.	Chong
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Signature:

Date: __ 27 August 2019

Application No.: 62/725,020, filed August 30, 2018 Application No.: 62/777,420, filed December 10, 2018

Docket Number: 30KJ-300661-P / CIT-8076-P Docket Number: 30KJ-300661-P2 / CIT-8076-P2

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Legal Name of Inventor: Matthew S-M Kim

RECORDED: 10/10/2019

Signature: _____ Date: _______ Date: ______