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PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW A	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:		ASSIGI	ASSIGNMENT		
CONVEYING PARTY DA	ΑΤΑ				
		Name			Execution Date
PATRICK D. HSU					06/26/2018
SILVANA KONERMANN					06/26/2018
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Total Attachments: 2

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ASSIGNMENT

We, Patrick D. Hsu, of San Diego, CA, a citizen of Canada, and Silvana Konermann, of San Diego, CA, a citizen of Switzerland, have invented RNA TARGETING METHODS AND COMPOSITIONS for which the following patent applications have been filed:

- U.S. Provisional Patent Application No. 62/548,846, filed on August 22, 2017;
- U.S. Provisional Patent Application No. 62/572,963, filed on October 16, 2017;
- U.S. Provisional Patent Application No. 62/639,178, filed on March 6, 2018; and
- U.S. Patent Application No. 15/937,699, filed on March 27, 2018;

which applications are collectively referred to herein as "the patent applications."

The subject invention(s) was made as a result of our activities at or on behalf of the Salk Institute for Biological Studies or as a result of our utilization of information, facilities or other resources of the Salk Institute for Biological Studies. The conditions under which said invention(s) was made are such as to entitle the Salk Institute for Biological Studies to the entire right, title, and interest in the invention(s) and the patent applications in the United States and its territories and dependencies, and all other countries of the world.

In consideration of our obligations and other valuable consideration, we the undersigned hereby sell, assign, and transfer to the Salk Institute for Biological Studies (hereinafter, "Salk Institute"), its successors and assigns, the full and exclusive right, title, and interest in the invention(s) and the patent applications throughout the United States of America and its territories and dependencies, and all other countries of the world. This includes an assignment of all Letters Patent that may be granted on the invention(s) in the United States of America and all countries throughout the world, and any divisional, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof; and the right to claim priority from the patent applications as provided for by United States law, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, or other applicable law.

We authorize and request the issuance of said Letters Patent to the Salk Institute as assignee of the entire right, title, and interest to be held as fully and entirely as the same would have been held by us had this assignment not been made.

We warrant that there are no outstanding assignments, grants, liens, encumbrances, or agreements either written, oral, or implied that will impair, diminish, limit, or abridge the interest herein conveyed at the time of the execution of the present assignment.

We also agree upon reasonable request to communicate to the Salk Institute, its representatives, successors, assigns, or agents, any facts known to us respecting the invention(s), and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths, provide all

ASSIGNMENT - PAGE 1 OF 2

PATENT REEL: 056602 FRAME: 0645 requested documents, and do everything reasonably possible to aid the Salk Institute, its representatives, successors, assigns, or agents to obtain and enforce proper patent protection for the invention(s) in the United States or any foreign country. These provisions are binding upon our heirs, legal representatives, administrators and assigns.

IN TESTIMONY WHEREOF, the Assignors have signed their names on the dates indicated.

Dated: 6/2-6/18

Patrick D. Hsu

In the presence of: Suzane Senon

Witness Signature Suzanne Simon Witness Name (print)

bl262018 Date Signed

Dated: 6126/18

Silvana Konermann

In the presence of: Suzane Semon Witness Signature

Suza Nine Sinon Vitness Name (print)

Witness Name (print)

Date Signed

ASSIGNMENT - PAGE 2 OF 2

PATENT REEL: 056602 FRAME: 0646

RECORDED: 06/21/2021