

PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ALBERT CHENG	10/22/2021
AZIZ TAGHBALOUT	10/23/2021
NATHANIEL JILLETTE	10/24/2021
RECEIVING PARTY DATA	
Name:	THE JACKSON LABORATORY
Street Address:	600 MAIN STREET
City:	BAR HARBOR
State/Country:	MAINE
Postal Code:	04609
PROPERTY NUMBERS Total: 4	
Property Type	Number
Application Number:	62393944
Application Number:	62485210
Application Number:	62535113
Application Number:	16333134
CORRESPONDENCE DATA	
Fax Number:	(617)646-8646
<i>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.</i>	
Phone:	6176468000
Email:	narsenault@wolfgreenfield.com, eboehm@wolfgreenfield.com
Correspondent Name:	ELIZABETH M. BOEHM
Address Line 1:	600 ATLANTIC AVENUE
Address Line 2:	WOLF GREENFIELD & SACKS, P.C.
Address Line 4:	BOSTON, MASSACHUSETTS 02210
ATTORNEY DOCKET NUMBER:	J0227.70055US03
NAME OF SUBMITTER:	ELIZABETH M. BOEHM
SIGNATURE:	/Elizabeth M. Boehm/
DATE SIGNED:	10/26/2021

Total Attachments: 5

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Application No. 16/333,134

Attorney Docket No.: J0227.70055US03

ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR") has assigned and transferred to and, to the extent (if at all) not already assigned and transferred, hereby assigns and transfers to

The Jackson Laboratory
600 Main Street, Bar Harbor, Maine 04609
United States of America

(hereinafter referred to as "ASSIGNEE") its successors and assigns, his/her full right, title and interest for the United States, its territories and possessions, and all foreign countries in and to all inventions and designs relating to

TARGETED DNA DEMETHYLATION AND METHYLATION

as disclosed in the following patent application:

United States Application No. 16/333,134 filed March 13, 2019, which is a national phase filing under 37 U.S.C. § 371 of

International Application No. PCT/US2017/051409 filed September 13, 2017, which claims priority to

United States Provisional Application No. 62/393,944 filed September 13, 2016,

United States Provisional Application No. 62/485,210 filed April 13, 2017, and

United States Provisional Application No. 62/535,113 filed July 20, 2017,

and in and to (a) all improvements and modifications of the above-identified inventions or designs, (b) all Letters Patent(s) that may issue from said applications in the United States and countries foreign thereto, (c) all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights that have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Republic of Korea, on any of the inventions and designs, and in and to all original and reissued patents that have been or shall be issued in the United States or any other jurisdiction on the inventions and designs, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Republic of Korea; as well as the right to sue in its own name and recover damages for past infringement of any United States Letters Patent and foreign patent, including a reasonable royalty relating to provisional rights under 35 U.S.C. § 154(d) that have attached to any published United States patent application, on the inventions and designs, and (d) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

Application No. 16/333,134

Attorney Docket No.: J0227.70055US03

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified inventions or designs in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, or other treaty of like purpose.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent(s) to ASSIGNEE.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said inventions or designs, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States or a country foreign thereto; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and protection for said inventions or designs, improvements, and modifications under the intellectual property laws of the United States and countries foreign thereto.

ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to assign and transfer the interests assigned and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.

ASSIGNOR HEREBY GRANTS to ASSIGNEE or its designee the power and authority to insert in this Assignment any further identification that may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

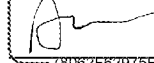
This instrument is signed under the pains and penalties of perjury under the laws of the United States of America.

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Executed on 10/22/2021

DocuSigned by:



Albert Cheng

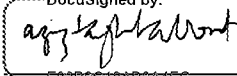
600 Main Street

Bar Harbor, Maine 04609

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DocuSigned by:


Aziz Taghbalout
600 Main Street
Bar Harbor, Maine 04609

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Executed on 10/24/2021

DocuSigned by:

Nathaniel Gillette

Nathaniel Gillette

600 Main Street

Bar Harbor, Maine 04609