

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5284527

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	FLOYD E. ROMESBERG	07/26/2018
	BRIAN LAMB	06/29/2018
	YORKE ZHANG	07/27/2018
RECEIVING PARTY DATA		
Name:	THE SCRIPPS RESEARCH INSTITUTE	
Street Address:	10550 NORTH TORREY PINES ROAD	
City:	LA JOLLA	
State/Country:	CALIFORNIA	
Postal Code:	92037	
PROPERTY NUMBERS Total: 1		
Property Type	Number	
Application Number:	16063107	
CORRESPONDENCE DATA		
Fax Number:		
<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>		
Email:	patentdocket@wsgr.com, lkim@wsgr.com	
Correspondent Name:	WILSON SONSINI GOODRICH & ROSATI	
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ATTORNEY DOCKET NUMBER:	46085-706.831	
NAME OF SUBMITTER:	LORA KIM	
SIGNATURE:	/Lora Kim/	
DATE SIGNED:	12/14/2018	
Total Attachments: 3		
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source=46085-706.831 Executed Assignment#page3.tif		

PATENT ASSIGNMENT

Docket Number 46085-706.831

WHEREAS, the undersigned:

- | | | |
|-----------------------|---------------------|---------------------|
| 1. Floyd E. ROMESBERG | 2. Brian LAMB | 3. Yorke ZHANG |
| 8109 Camino Del Sol | 3144 Cowley Way #3 | 4531 Lisann Street |
| La Jolla, CA 92037 | San Diego, CA 92117 | San Diego, CA 92117 |

(hereinafter "Inventor(s)"), have invented certain new and useful improvements in

PRODUCTION OF UNNATURAL NUCLEOTIDES USING A CRISPR/CAS9 SYSTEM

☒ for which application serial number 16/063,107, a U.S. National Phase of PCT/US16/67353, filed on December 16, 2016 in the U.S. Receiving Office of the Patent Cooperation Treaty, was filed on June 15, 2018 in the United States Patent & Trademark Office;

(hereinafter, "Application(s)"). The term "Application(s)" also includes all patent applications that share or claim priority to or from the above application(s).

WHEREAS, The Scripps Research Institute, a corporation incorporated under the laws of the State of California having a place of business at 10550 North Torrey Pines Road, La Jolla, CA 92037, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s), and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise (hereinafter "Patent(s)").

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

- Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions; (b) in and to said Applications, including the right to claim priority to and from said Application(s); (c) in and to each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) in and to said Patent(s) and each and every patent issuing or reissuing from any of the foregoing; (e) in and to each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; (f) in and to each and every patent and application filed outside the United States and corresponding to any of the foregoing; and (g) in and to all claims for past, present and future infringement of the Patent(s), including all rights to sue for and to receive and recover for Assignee's own use all past, present, and future lost profits, royalties, and damages of whatever nature recoverable from an infringement of the Patent(s).
- Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that reasonable expenses incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
- The terms and covenants of this assignment shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Inventor(s), their respective heirs, legal representatives and assigns.
- Said Inventor(s) hereby warrant, represent and covenant that said Inventor(s) have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
- Said Inventor(s) hereby request that any Patent(s) issuing in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty, be issued in the name of the Assignee, or its successors and assigns, for the sole use of said Assignee, its successors, legal representatives and assigns.
- This instrument will be interpreted and construed in accordance with the laws of the State of California, without regard to conflict of law principles. If any provision of this instrument is found to be illegal or unenforceable, the other provisions shall remain effective and enforceable to the greatest extent permitted by law. This instrument may be executed in counterparts, each of which is deemed an original, but all of which together constitute one and the same agreement.

IN WITNESS WHEREOF, said Inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below:

PATENT ASSIGNMENT

Docket Number 46085-706.831

Date:

7/26/18

Floyd E. ROMESBERG

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of San Diego

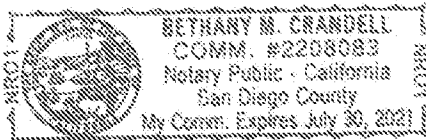
On July 26, 2018 before me, Bethany M. Crandell, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Floyd E. ROMESBERG*Name(s) of Signer(s)*

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their 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.



Signature

Bethany M. Crandell
Signature of Notary Public

Place Notary Seal Above

Date:

6/29/18

Brian LAMB

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of San Diego

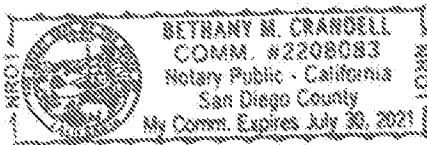
On June 29, 2018 before me, Bethany M. Crandell, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Brian LAMB*Name(s) of Signer(s)*

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their 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.



Signature

Bethany M. Crandell
Signature of Notary Public

Place Notary Seal Above

PATENT ASSIGNMENT

Docket Number 46085-706.831

Date: 7/27/2018

Yorke ZHANG

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of San Diego)

On July 27, 2018

Date

before me,

Bethany M. Crandell

Notary Public

Here Insert Name and Title of the Officer

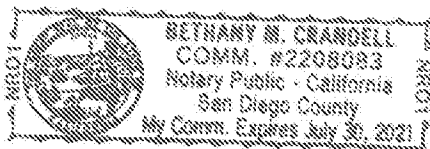
personally appeared Yorke ZHANG

Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their 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.



Signature

Signature of Notary Public

Place Notary Seal Above

RECEIVED AND AGREED TO BY ASSIGNEE: THE SCRIPPS RESEARCH INSTITUTE

Date: 7/27/2018

Signature:

Thomas Fitting

Name: Thomas Fitting, Esq. Ph.D.

Title: Chief Patent Counsel