

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT4900418

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
VINCENT ISABELLA	11/30/2016
DEAN FALB	12/09/2016
CAMI LEIGH ANDERSON	12/09/2016
PAUL MILLER	12/09/2016
YVES MILLET	11/28/2016
JONATHAN KOTULA	12/06/2016
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SYNLOGIC, INC.
<b>Street Address:</b>	130 BROOKLINE ST.
<b>Internal Address:</b>	#201
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02139
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15755836
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(617)607-9200
<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>	
<b>Phone:</b>	617-449-6500
<b>Email:</b>	lmargolis@mccarter.com
<b>Correspondent Name:</b>	MCCARTER & ENGLISH, LLP
<b>Address Line 1:</b>	265 FRANKLIN STREET
<b>Address Line 4:</b>	BOSTON, MASSACHUSETTS 02110
<b>ATTORNEY DOCKET NUMBER:</b>	126046-00503
<b>NAME OF SUBMITTER:</b>	MARCIE B. CLARKE, J.D., PH.D.
<b>SIGNATURE:</b>	/Marcie B. Clarke/
<b>DATE SIGNED:</b>	04/05/2018

**Total Attachments: 9**

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## **ASSIGNMENT - WORLDWIDE**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

**Synlogic, Inc.**  
130 Brookline Street  
#201  
Cambridge, Massachusetts 02139  
United States of America

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

### **BACTERIA ENGINEERED TO TREAT DISORDERS IN WHICH OXALATE IS DETRIMENTAL**

as set forth in the following Patent Applications:

International Application No. PCT/US2016/049781, filed August 31, 2016

which claim the benefit of the following applications:

United States Provisional Application No. 62/212,223, filed August 31, 2015

International Application No. PCT/US2016/032565, filed May 13, 2016

United States Provisional Application No. 62/341,315, filed May 25, 2016

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified applications and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) 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.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

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 invention or inventions, 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 invention or inventions, 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 sell, assign, and transfer the interests sold, 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 the law firm of **McCarter & English, LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.

ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **McCarter & English, LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

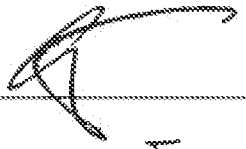


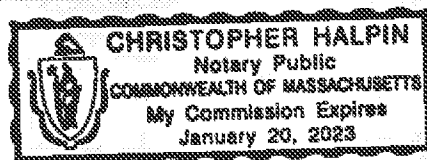
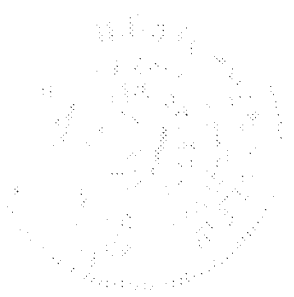
Executed this 9 day of December, 2016.

  
\_\_\_\_\_  
Dean Falb

United States of America )  
State of MASSACHUSETTS )  
County of Middlesex )

On this 9 day of December, 2016 before me, the  
the undersigned notary public, personally appeared Dean Falb  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was License, to be the person whose name  
is signed on the preceding or attached document in my presence.

  
\_\_\_\_\_  
(official signature and seal of notary)  
My commission expires January 20, 2023



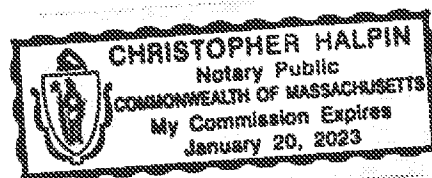
Executed this 9 day of December, 2016.

Cami Leigh Anderson  
Cami Leigh Anderson

United States of America )  
State of MASSACHUSETTS )  
County of Middlesex )

On this 9 day of December, 2016 before me, the  
the undersigned notary public, personally appeared Cami Leigh Anderson  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was license, to be the person whose name  
is signed on the preceding or attached document in my presence.

[Signature] (official signature and seal of notary)  
My commission expires January 20, 2023.

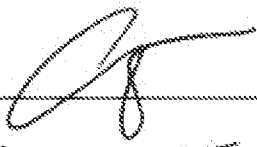


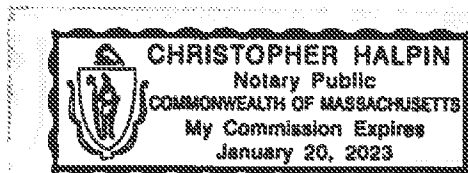
Executed this 9<sup>th</sup> day of December, 2016.

  
Paul Miller

United States of America )  
State of MASSACHUSETTS )  
County of MIDDLESEX )

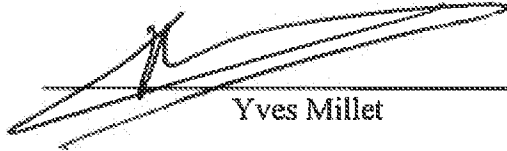
On this 9 day of December, 2016 before me, the  
the undersigned notary public, personally appeared Paul Miller  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was License, to be the person whose name  
is signed on the preceding or attached document in my presence.

 (official signature and seal of notary)  
My commission expires January 20, 2023.






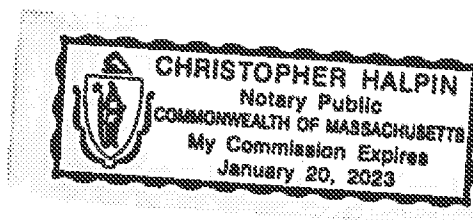
Executed this 28 day of November, 2016.

  
Yves Millet

United States of America )  
State of MASSACHUSETTS )  
County of Middlesex )

On this 28 day of November, 2016 before me, the  
the undersigned notary public, personally appeared Yves Millet  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was License, to be the person whose name  
is signed on the preceding or attached document in my presence.

  
\_\_\_\_\_  
(official signature and seal of notary)  
My commission expires January 20, 2023




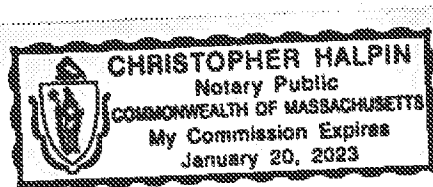
Executed this 6th day of December, 2016.

  
Jonathan Kotula

United States of America )  
State of MASSACHUSETTS )  
County of Middlesex )

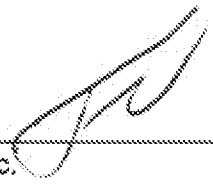
On this 6 day of December, 2016 before me, the  
the undersigned notary public, personally appeared Jonathan Kotula  
(name of document signer), proved to me through satisfactory evidence of identification,  
which was License, to be the person whose name  
is signed on the preceding or attached document in my presence.

  
\_\_\_\_\_  
(official signature and seal of notary)  
My commission expires January 20, 2023.



Acceptance of Assignment by the Assignee:

Executed this 16 day of December, 2016.

  
\_\_\_\_\_  
Synlogic, Inc.

Name: Todd Shagoc

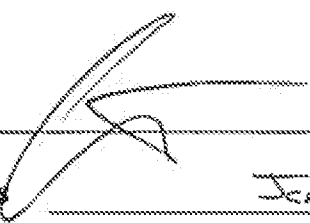
Title: CEO

United States of America )

State of MASSACHUSETTS )

County of Middlesex )

On this 16 day of December, 2016 before me, the undersigned notary public, personally appeared Todd Shagoc (name of document signer), proved to me through satisfactory evidence of identification, which was Licence, to be the person whose name is signed on the preceding or attached document in my presence.

  
\_\_\_\_\_  
(official signature and seal of notary)

My commission expires

January 20, 2023

