# 506514591 02/19/2021 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT6561366

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYANCE:		ASSIGNMENT	
CONVEYING PARTY D	ΑΤΑ		
		Name	Execution Date
GEORG SEELIG			12/08/2020
ANNA KUCHINA			12/08/2020
EANDRA BRETTNER			01/12/2021
WILLIAM DEPAOLO			12/09/2020
RECEIVING PARTY DA	TA		
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City:	SEATTI	LE	
State/Country:	WASHI	NGTON	
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PROPERTY NUMBERS Property Type	Total: 1	Number	
Application Number:		16949949	
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AME OF SUBMITTER:		ROSANNE F. CHOW	
GNATURE:	-	/Rosanne F. Chow/	
		/ iosaine i . Onow/	
DATE SIGNED:		02/19/2021	

**Total Attachments: 7** 

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Page 1 of 7

## **University of Washington**

## ASSIGNMENT OF INVENTION AND PATENT RIGHTS ("Assignment")

Inventors: Georg Seelig, Anna Kuchina, Leandra Brettner, and William DePaolo

(hereinafter referred to as "INVENTORS")

Patent Application Serial No: 16/949,949

Filing Date: November 20, 2020

 Title:
 A METHOD FOR PREPARATION AND HIGH- THROUGHPUT MICROBIAL

 SINGLECELL RNA SEQUENCING OF BACTERIA

UW Reference No: 48615.02US2

WHEREAS: INVENTORS have invented, made, or discovered certain new and useful improvements in the following invention, entitled:

# "A METHOD FOR PREPARATION AND HIGH- THROUGHPUT MICROBIAL SINGLECELL RNA SEQUENCING OF BACTERIA"

including all works, technology, and embodiments of the invention, heretofore conceived, made or discovered, whether jointly or severally, by said INVENTORS whether or not patentable and whether or not included in a patent application (hereinafter referred to as "INVENTIONS") for which Patent Application Serial Number 16/949,949 was filed on November 20, 2020.

<u>ASSIGNORS</u>: Georg Seelig, Anna Kuchina, Leandra Brettner and William DePaolo (hereinafter referred to as "ASSIGNORS")

<u>ASSIGNEE</u>: **University of Washington**, a public institution of higher education in the State of Washington, having a place of business at Seattle, Washington, (hereinafter referred to as "ASSIGNEE").

WHEREAS: ASSIGNEE is desirous of acquiring ASSIGNORS' entire rights, titles, and interests in, to, and under said INVENTIONS and in, to, and under any Letters Patent, patent applications (including all patent applications that share or claim the benefit, right of priority, and/or right to grant to or from the patent application(s), (hereinafter referred to as "Applications") under any international convention), inventor's certificates or similar legal protection to be obtained therefor in the United States and its territorial possessions, in any and all 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 referred to as "Patent(s)").

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged by ASSIGNORS:

PATENT REEL: 055341 FRAME: 0200 Page **2** of **7** 

Pat	tent Application Serial No:	16/949,949
<u>Fili</u>	ng Date:	November 20, 2020
<u>UV</u>	V Reference No:	48615.02US2
<b>⊤</b> :+	lo.	A METHOD FOR PREPARATION AND HIGH- THROUGHPUT MICROBIAL SINGLECELL
<u>Tit</u>	<u>ie</u> :	RNA SEQUENCING OF BACTERIA

ASSIGNORS hereby do sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives and assigns, their entire rights, titles, and interests in and to: (a) said INVENTIONS; (b) said Applications, including the right to claim the benefit, right of priority, and/or right to grant to or from said Application(s); (c) each and every application that is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); (d) said Patent(s) and each and every patent issuing or reissuing from any of the foregoing; (e) each and every reissue, reexamination, renewal or extension of any kind of any of the foregoing; (f) each and every patent and application filed in the United States or filed outside the United States and corresponding to said INVENTIONS or claim the benefit, right of priority, and right to grant to or from the Applications or Patents; and (g) 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).

ASSIGNORS hereby authorize and 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.

ASSIGNORS hereby warrant, represent, and covenant that they have full right to convey the entire rights, titles, and interests herein sold, assigned, transferred, and set over and have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

ASSIGNORS hereby covenant and agree to promptly assist ASSIGNEES in obtaining, protecting, and maintaining patent or other proprietary rights for said INVENTIONS to the fullest extent in any country or jurisdiction, provided, however, that reasonable expenses incurred by ASSIGNORS in providing such assistance shall be paid for by ASSIGNEE

The undersigned hereby grant ASSIGNEE or ASSIGNEE'S law firm the power to insert on this Assignment any further identification that may be necessary in order to comply with the rules of the United States Patent Office and the Patent Offices, or equivalent thereof, of any and all foreign countries. The undersigned hereby acknowledge that this Assignment may be executed in counterparts with each party signing separate but identical copies of the same document. The signed copies will together form this Assignment.

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 ASSIGNORS, their respective heirs, legal representatives and assigns.

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

PATENT REEL: 055341 FRAME: 0201 Page **3** of **7** 

Patent Application Serial No:	16/949,949
Filing Date:	November 20, 2020
<u>UW Reference No</u> :	48615.02US2
	A METHOD FOR PREPARATION AND HIGH- THROUGHPUT MICROBIAL SINGLECELL
<u>Title</u> :	RNA SEQUENCING OF BACTERIA

#### Inventors:

By signing below, each inventor asserts that they have read and agreed to the terms herein as originally provided by assignee and that they have not changed the assignment language.

Georg Seelig (Printed name)

Executed at \_\_\_\_\_(city),

\_\_\_\_\_\_\_(state or country),

Dated: <u>12/8/2020</u>.

	DocuSigned by:	
Signature: /	Georg Seelig	1
	D5B0AA02C0BC49F	

If printed name shown above is not your legal name, notify sender immediately and do not sign above.

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Patent Application Serial No:	16/949,949
Filing Date:	November 20, 2020
<u>UW Reference No</u> :	48615.02US2
	A METHOD FOR PREPARATION AND HIGH- THROUGHPUT MICROBIAL SINGLECELL
<u>Title</u> :	RNA SEQUENCING OF BACTERIA

#### Inventors:

By signing below, each inventor asserts that they have read and agreed to the terms herein as originally provided by assignee and that they have not changed the assignment language.

Anna Kuchina (Printed name)

Executed at \_\_\_\_\_(city),

\_(state or country),

Dated: <u>12/8/2020</u>.

Signature: / Anna Kuchina /

If printed name shown above is not your legal name, notify sender immediately and do not sign above.

Page **5** of **7** 

Patent Application Serial No:	16/949,949
Filing Date:	November 20, 2020
<u>UW Reference No</u> :	48615.02US2
	A METHOD FOR PREPARATION AND HIGH- THROUGHPUT MICROBIAL SINGLECELL
<u>Title</u> :	RNA SEQUENCING OF BACTERIA

#### Inventors:

By signing below, each inventor asserts that they have read and agreed to the terms herein as originally provided by assignee and that they have not changed the assignment language.

Leandra Brettner (Printed name)

Executed at <u>Tempe</u> (city),

\_\_\_\_\_Arizona \_\_\_\_\_\_(state or country),

Dated: <u>1/12/2021</u>.

		Journa DocuSigned by:
Signature:	/	leandra Brettner
_		90E55D4E658343C

If printed name shown above is not your legal name, notify sender immediately and do not sign above.

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Patent Application Serial No:	16/949,949
Filing Date:	November 20, 2020
<u>UW Reference No</u> :	48615.02US2
	A METHOD FOR PREPARATION AND HIGH- THROUGHPUT MICROBIAL SINGLECELL
<u>Title</u> :	RNA SEQUENCING OF BACTERIA

#### Inventors:

By signing below, each inventor asserts that they have read and agreed to the terms herein as originally provided by assignee and that they have not changed the assignment language.

William DePaolo (Printed name)

Executed at <u>Seattle</u> (city),

<u>Washington</u> (state or country),

Dated: <u>12/9/2020</u>.

Signature:	DocuSigned by:	
_	2955DDA046AD47D	

If printed name shown above is not your legal name, notify sender immediately and do not sign above.

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PATENT REEL: 055341 FRAME: 0205 Page 7 of 7

Patent Application Serial No:	16/949,949
<u>Filing Date</u> :	November 20, 2020
<u>UW Reference No</u> :	48615.02US2
<b>T</b> [4]	A METHOD FOR PREPARATION AND HIGH- THROUGHPUT MICROBIAL SINGLECELL
<u>Title</u> :	RNA SEQUENCING OF BACTERIA

# ACCEPTANCE BY ASSIGNEE:

RECEIVED AND AGREED TO BY ASSIGNEE: University of Washington

Date:\_\_\_1/13/2021

\_\_\_\_\_

\_\_\_\_\_

Signature: /	Kobyn adams	1
• -	EA35919B26AF4D6	

Printed Name: Robyn Adams

Title: <u>Associate Director, Patents</u>

**RECORDED: 02/19/2021**