PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5599383

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Frederick L. Hall	05/24/2019
Erlinda M. Gordon	02/19/2019

RECEIVING PARTY DATA

Name:	COUNTERPOINT BIOMEDICA LLC	
Street Address:	2700 NEILSON WAY, SUITE 1227	
City:	SANTA MONICA	
State/Country:	CALIFORNIA	
Postal Code:	90405	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16310271

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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.

Phone: +1 (617) 368-2141` Email: APSI@fr.com

Correspondent Name: KATHLEEN E. FLEMING Address Line 1: FISH & RICHARDSON P.C.

Address Line 2: P.O.BOX 1022

Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	41067-0003US1	
NAME OF SUBMITTER:	CHRISTINE M. GRACE	
SIGNATURE:	/Christine M. Grace/	
DATE SIGNED:	07/01/2019	

Total Attachments: 8

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> **PATENT** REEL: 049642 FRAME: 0119 505552582



PATENT REEL: 049642 FRAME: 0120

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, FREDERICK L. HALL, and <a href="FREDERICK L. HALL, a corporation formed under the laws of California and having a principal place of business at 2700 Neilson Way, Unit 1423, Santa Monica CA 90405, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "POLYPEPTIDE TARGETING APTAMERS FOR CHARACTERIZATION, CAPTURE, AND CLINICAL MANAGEMENT OF CIRCULATING TUMOR CELLS," and was filed in the United States Patent and Trademark Office on December 14, 2018, as application 16/310,271 (the "Application").

This Assignment assigns, in addition to the Subject Matter of the Application, (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

Assignment Page 1 of 4

PATENT REEL: 049642 FRAME: 0121 We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

Holand I Hell DATE: May 24, 2019
Frederick L. Hall

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.

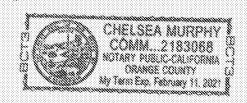
State of California County of Oceanal					
on May 24, 2019	before me.		Murphy.		<u>Notary</u>
		(insert na	une and title (of the office	т) —
normally annound Fraderic	16 1 F	- الما	***************************************	***************************************	

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/har/their authorized capacity(iss), and that by his/har/their signature(s) on the instrument the person(s), or 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.

<....////



D	ATE:
Erlinda M. Gordon	
	ificate verifies only the identity of the individual who signed the the truthfulness, accuracy, or validity of that document
State of California County of)	
On before	me,
	(insert name and title of the officer)
subscribed to the within instrument and acknowledge his/her/their authorized capacity(ies), and the person(s), or entity upon behalf of which the	y evidence to be the person(s) whose name(s) is/are owledged to me that he/she/they executed the same in at by his/her/their signature(s) on the instrument the person(s) acted, executed the instrument. der the laws of the State of California that the foregoing
Signature	

Assignment Page 3 of 4

The Assignee hereby acknowledges and accepts the fores	zoing assignment.
Assignee: COUNTERPOINT BIOMEDICA LLC	
Signature: Holland 7/4//	Date: <u>May 24,201</u> 9
Name: Frederick L. Hall	
Title: <u>C. E. O.</u>	
A notary public or other officer completing this certificate verifies document to which this certificate is attached, and not the truthfulness.	only the identity of the individual who signed the is, accuracy, or validity of that document
State of California County of <u>Cange</u> On <u>Nay 24, 2019</u> before me, <u>Unels</u> (inse	es Mughy, Public Notary et name and title of the officer)
personally appeared Frederick L. Hall who proved to me on the basis of satisfactory evidence to subscribed to the within instrument and acknowledged to his/hex/4heir authorized capacity (ig/s), and that by his/her/person(s), or entity upon behalf of which the person(s) ac	be the person(*) whose name(*) is/#re me that he/ she/the y executed the same in their signature(*) on the instrument the
I certify under PENALTY OF PERJURY under the laws paragraph is true and correct.	of the State of California that the foregoing
WITNESS my hand and official seat.	•
Signature 442	CHELSEA MURPHY COMM2183068 COMM.CALFORNA ORANGE COUNTY Wy Terri Eng. February 11, 3021

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ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, FREDERICK L. HALL, and ERLINDA M. GORDON, each individually assign to COUNTERPOINT BIOMEDICA LLC, a corporation formed under the laws of California and having a principal place of business at 2700 Neilson Way, Unit 1423, Santa Monica CA 90405, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "POLYPEPTIDE TARGETING APTAMERS FOR CHARACTERIZATION, CAPTURE, AND CLINICAL MANAGEMENT OF CIRCULATING TUMOR CELLS," and was filed in the United States Patent and Trademark Office on December 14, 2018, as application 16/310,271 (the "Application").

This Assignment assigns, in addition to the Subject Matter of the Application, (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or conventions, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

Assignment Page 1 of 4

We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

DATE:
Frederick L. Hall
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
On before me, (insert name and title of the officer)
(insert name and title of the officer)
personally appeared
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 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

Eplinda	M Gndm	DATE:	19 Feb 2019	
Erlinda M. Gordon				

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 \\ \lambda
on FUNYMY 19, 2019 before me, JMN Anthony Cabrera, Notary Public (insert name and title of the officer)
personally appeared Eximal Management (insert name and title of the officer)
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 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 _

JOHN ANTHONY CABRERA
Notary Public - California
Los Angeles County
Commission # 2274775
My Comm. Expires Jan 10, 2023

The Assignee hereby acknowledges and accepts the foregoing assignment.		
Assignee: COUNTERPOINT BIOMEDICA LLC		
Signature:	Date:	
Name:		
Title:		
A notary public or other officer completing this certificate document to which this certificate is attached, and not the true	verifies only the identity of the individual who signed the athfulness, accuracy, or validity of that document.	
State of California County of)		
On before me,	(insert name and title of the officer)	
personally appeared who proved to me on the basis of satisfactory evid subscribed to the within instrument and acknowled his/her/their authorized capacity(ies), and that by herson(s), or entity upon behalf of which the person I certify under PENALTY OF PERJURY under the paragraph is true and correct. WITNESS my hand and official seal. Signature	ence to be the person(s) whose name(s) is/are dged to me that he/she/they executed the same in nis/her/their signature(s) on the instrument the on(s) acted, executed the instrument. The laws of the State of California that the foregoing	
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Assignment Page 4 of 4