

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5061043

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
GEOFFREY A. BARRALL	08/06/2015
ERIC N. ERVIN	06/23/2016
PRITHWISH PAL	08/06/2015
RECEIVING PARTY DATA	
Name:	ELECTRONIC BIOSCIENCES, INC.
Street Address:	5754 PACIFIC CENTER BLVD.
Internal Address:	SUITE204
City:	SAN DIEGO
State/Country:	CALIFORNIA
Postal Code:	92121
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	16034115
CORRESPONDENCE DATA	
Fax Number:	(858)623-3224
<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:	858-623-3240
Email:	awilliamson@grantip.com
Correspondent Name:	ALEXANDRA WILLIAMSON
Address Line 1:	2385 CAMINO VIDA ROBLE
Address Line 4:	CARLSBAD, CALIFORNIA 92011
ATTORNEY DOCKET NUMBER:	EBS-1007-DV
NAME OF SUBMITTER:	GARY H. SILVERSTEIN
SIGNATURE:	/Gary Silverstein/
DATE SIGNED:	07/20/2018
Total Attachments: 5	
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ASSIGNMENT AND AGREEMENT

WHEREAS, Geoffrey A. Barrall of 12960 Via Del Valedor, San Diego, California 92129, Eric N. Ervin of 2826 South 2475 East, Salt Lake City Utah 84109 and Prithwish Pal of 13738 Stoney Gate Place, San Diego, California 92128; (hereinafter referred to singly and collectively as "Assignor") have invented a certain invention entitled MODIFIED ALPHA HEMOLYSIN POLYPEPTIDES AND METHODS OF USE for which U.S. Patent Application No. 14/653,246, was filed on June 17, 2015; and

WHEREAS, Electronic BioSciences Inc., a corporation duly organized and existing under the laws of the State of Delaware, and having its principal place of business at 5754 Pacific Center Boulevard, Suite 204, San Diego, California 92121 (hereinafter referred to as "Assignee") is desirous of acquiring the entire interest therein;

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto Assignee, its successors, assigns and nominees, the full and exclusive right, title, and interest in and to (a) the above-identified invention or inventions and all improvements and modifications thereof, (b) the above-identified application(s) and all other applications for patent and patents in any and all countries and jurisdictions for the above-identified invention or inventions and all improvements and modifications thereof, (c) all patents which may issue from said applications in any country or jurisdiction, (d) all divisions, continuations, reissues, and extensions of said applications and patents, and (e) the right to claim for any of said applications the full benefits and rights to priority resulting from filing any of the applications, including, without limitation, 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, assigns and nominees, to the full end of the term or terms for which any and all such patents 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 and requests any official whose duty it is to issue patents to issue any patent on said invention, or improvement or modification thereof, or resulting therefrom, to Assignee as assignee of the entire interest, or its successors, assigns or nominees.

Assignor hereby agrees (a) to communicate to Assignee, its successors and assigns, or their representatives or agents, all facts and information known or available to Assignor respecting said invention or inventions, improvements, and modifications, including, without limitation, 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, declarations, depositions; and (d) to provide all reasonable assistance to Assignee, its successors, assigns and nominees, 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 (a) Assignor has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein to Assignee; (b) Assignor has no obligation to sell, assign or transfer any right, title or interest herein to an entity other than Assignee; (c) that Assignor has not executed and will not execute any document or instrument in conflict herewith; (d) no consents of any other parties are necessary or appropriate under any agreements regarding the inventions, applications or patents described above for the assignment of Assignor's entire right, title and interest herein to be legally effective; and (e) to the best of Assignor's knowledge, upon consummation of this Agreement, Assignee will have good and marketable title to the inventions, applications and patents described above, free and clear of any and all encumbrances, pledges, security interests, licenses or charges of any nature whatsoever.

Assignor hereby grants to the law firm of Grant IP, Inc. 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 Grant IP, Inc. 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.

[INTENTIONALLY LEFT BLANK]

Executed this 6 day of August, 2015.

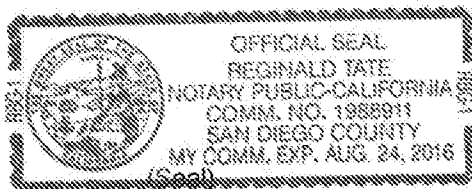
Geoffrey A. Barrall
Geoffrey A. Barrall

STATE OF California)
COUNTY OF SAN Diego) ss:

On this 6 day of August, 2015, before me, Reginald Tate
Notary Public, personally appeared Geoffrey A. Barrall who proved to me on the basis
of satisfactory evidence to be the person whose name is subscribed to the within
instrument and acknowledged to me that he executed the same in his authorized
capacity, and that by his signature on the instrument the person, or the entity upon
behalf of which the person 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.



Reginald Tate
Notary Public in and for said County and State

My Commission Expires: 08-24-2016

Executed this 23 day of June, ²⁰¹⁶~~2015~~.

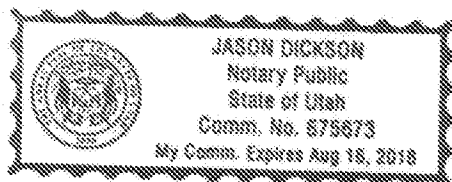

Eric N. Ervin

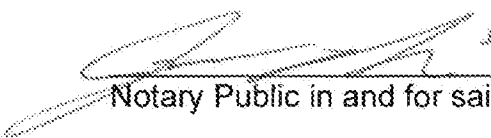
STATE OF UTAH)
) ss:
COUNTY OF SALT LAKE)

On this 23 day of June, ²⁰¹⁶~~2015~~, before me, Jason Dickson,
Notary Public, personally appeared Eric N. Ervin who proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to the within
instrument and acknowledged to me that she executed the same in her authorized
capacity, and that by her signature on the instrument the person, or the entity upon
behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of UTAH
that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.




Notary Public in and for said County and State

(Seal)

My Commission Expires: Aug 18, 2018

Executed this 06 day of August, 2015.

Prithwish PAL
Prithwish PAL

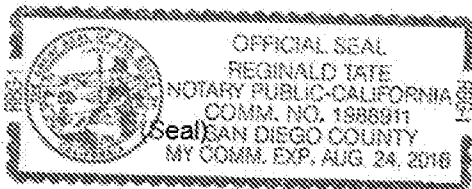
STATE OF California)
COUNTY OF SAN DIEGO) ss:

On this 06 day of August, 2015, before me, REGINALD TATE
Notary Public, personally appeared Prithwish PAL who proved to me on the basis of
satisfactory evidence to be the person whose name is subscribed to the within
instrument and acknowledged to me that she executed the same in her authorized
capacity, and that by her signature on the instrument the person, or the entity upon
behalf of which the person 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.

Reginald Tate
Notary Public in and for said County and State



My Commission Expires: 08-24-2016