

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4611313

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
COMMISSARIAT A L'ENERGIE ATOMIQUE ET AUX ENERGIES ALTERNATIVES		08/10/2017
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ADAPTIVE BIOTECHNOLOGIES CORP.	
<b>Street Address:</b>	1551 EASTLAKE AVENUE EAST	
<b>Internal Address:</b>	SUITE 200	
<b>City:</b>	SEATTLE	
<b>State/Country:</b>	WASHINGTON	
<b>Postal Code:</b>	98102	
<b>PROPERTY NUMBERS Total: 3</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	12744853	
<b>Application Number:</b>	14537256	
<b>PCT Number:</b>	FR2008001640	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(202)842-7899	
<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>Email:</b>	vjones@cooley.com	
<b>Correspondent Name:</b>	COOLEY LLP	
<b>Address Line 1:</b>	1299 PENNSYLVANIA AVE NW	
<b>Address Line 2:</b>	SUITE 700	
<b>Address Line 4:</b>	WASHINGTON, D.C. 20004	
<b>ATTORNEY DOCKET NUMBER:</b>	ADBS-071/02US	
<b>NAME OF SUBMITTER:</b>	ALLA BRUKMAN	
<b>SIGNATURE:</b>	/Alla Brukman/	
<b>DATE SIGNED:</b>	09/26/2017	
<b>Total Attachments: 5</b>		
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**CONFIRMATORY ASSIGNMENT OF PATENT RIGHTS**  
**Company to Company**

WHEREAS, **Commissariat à l'Energie Atomique et aux Energies Alternatives**, French public industrial and commercial establishment, headquartered at 25 rue Leblanc, Bat. Le Ponant, 75015 Paris, France, registered in the Paris Trade and Companies Registry under No. 775 685 019 acting through Mr. Vincent BERGER in his capacity as Directeur de la Recherche Fondamentale (Director of Basic Research) (herein referred to as "Assignor") has rights in the following patent application(s), patent(s) and invention(s) set forth in patents of the United States and elsewhere, and which are laid out in the attached Schedule A.

WHEREAS, **Adaptive Biotechnologies Corp.**, a corporation having its principal place of business at 1551 Eastlake Avenue East, Suite 200, Seattle, WA 98102 its successors, legal representatives and assigns, acting through its Chief Executive Officer Mr. Chad Robins (the "Assignee"), has acquired the entire right, title and interest in and to said patent application(s), patent(s) and the invention(s) disclosed therein; and in and to any letters patent(s) that claim the priority benefit of said patent application(s) in the United States and in any and all foreign countries; the right to file applications for patent of the United States or other countries on the invention(s) disclosed therein; any application for patent of the United States or other countries claiming priority to these application(s); any provisional or other right to recover damages, including royalties, for prior infringements of these application(s); and any patent of the United States or other countries that may be granted therefor or thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest ("quote-part") in and to said invention(s), said application(s), and said patent(s), the right to file applications on said invention(s), the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said application(s), including divisions, continuations, and continuations-in-part of said application(s), the right to recover any and all past, present, and future damages, including provisional or other royalties, for any and all past, present, and future infringements of said application(s) and said patent(s), the entire right, title and interest in and to any and all Letters Patent or Patents, United States or foreign, to be obtained for said invention(s) and said application(s), the entire right, title and interest in and to any and all reissues and extensions of said patent(s), and all rights under the Hague Convention, the Paris Convention for the Protection of Industrial Property, and under the Patent Cooperation Treaty, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made;

AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignor was the lawful owner of an undivided interest in the entire right, and title, in and to said invention(s), said application(s), and said patent(s), and that the same are as far as it is aware unencumbered, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner herein set forth;

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AND for the same consideration, the Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns that the Assignor will, whenever counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said invention(s), said application(s), said patent(s), any application claiming priority to said application(s), any reissue or extension of said patent(s), and any United States or foreign Letters Patent or Patents for said invention(s) or said application(s), including interference and derivation proceedings, and any post-grant proceedings (e.g., opposition proceedings, post-grant reviews, *Inter partes* reviews, supplemental examinations, etc.), is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent or Patents for said invention(s), at the cost and expense of the Assignee, its successors, legal representatives, and assigns, it being understood that the Assignor hereby undertakes not to charge the Assignee for conducting such acts, if conducting such acts does not trigger any invoice from a third party;

AND the Assignor hereby requests the Commissioner of Patents to issue any and all aforementioned patent(s) of the United States to the Assignee, as the Assignee of said invention(s) and the Letters Patent to be issued thereon for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

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Date: 10 Aout 2017

By: \_\_\_\_\_

Name: Vincent BERGER

Title: Director of Basic Research

Company: Commissariat à l'Energie

Atomique et aux Energies Alternatives

p.c. [Signature]

I certify that I know or have satisfactory evidence that JOEL BADE signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date 10 Aout 2017 Signed at SACLAY  
(Type or Print)

Simone Mergui  
(Type or Print Name of Witness)

[Signature]  
(Signature of Witness)



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Date: 2017-9-14

By: [Signature]

Name: Chad Robins

Title: Chief Executive Officer

Company: Adaptive Biotechnologies Corp.

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.

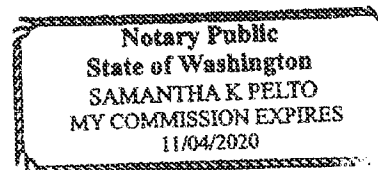
State of Washington, ss.  
County of King

On 2017-9-14, before me, Samantha K. Pelto, Notary Public, personally appeared Chad Robins, 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.

WITNESS my hand and official seal.

[Signature]

Signature of Notary Public



Place Notary Seal Above

My Commission Expires: 2020-11-4

## Schedule A

## Patents

Country	Application No.	Application Date	Registration No.
US	12/744,853	25/11/2008	8883418
US	14/537,256	10/11/2014	
CA	2706667	25/11/2008	
CN	200880125800.9	25/11/2008	102083999A
EP	07291401.3	26/11/2007	
EP	08871977.8	25/11/2008	2220255
BE	08871977.8	25/11/2008	2220255
CH	08871977.8	25/11/2008	2220255
DE	08871977.8	25/11/2008	2220255
FR	08871977.8	25/11/2008	2220255
GB	08871977.8	25/11/2008	2220255
HU	08871977.8	25/11/2008	2220255
IE	08871977.8	25/11/2008	2220255
LU	08871977.8	25/11/2008	2220255
MC	08871977.8	25/11/2008	2220255
NL	08871977.8	25/11/2008	2220255
PT	08871977.8	25/11/2008	2220255
TR	08871977.8	25/11/2008	2220255
JP	2010-534518	25/11/2008	5662155
WO	PCT/FR2008/001640	25/11/2008	

