

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT5489352

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
VLADIMIR MAKAROV	04/10/2019
JULIE LALIBERTE	04/04/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	SWIFT BIOSCIENCES, INC.
<b>Street Address:</b>	674 S. WAGNER ROAD
<b>Internal Address:</b>	SUITE 100
<b>City:</b>	ANN ARBOR
<b>State/Country:</b>	MICHIGAN
<b>Postal Code:</b>	48103
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15223792
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)414-9299
<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>	302-778-7540
<b>Email:</b>	ptoipinbox@reedsmith.com
<b>Correspondent Name:</b>	RYAN P. COX, REED SMITH LLP
<b>Address Line 1:</b>	P.O. BOX 488
<b>Address Line 4:</b>	PITTSBURGH, PENNSYLVANIA 15230
<b>ATTORNEY DOCKET NUMBER:</b>	16-21018-US
<b>NAME OF SUBMITTER:</b>	RYAN P. COX
<b>SIGNATURE:</b>	/Ryan P. Cox/
<b>DATE SIGNED:</b>	04/24/2019
<b>Total Attachments: 4</b>	
source=16-21018-US - Assignment#page1.tif	
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source=16-21018-US - Assignment#page4.tif	

## ASSIGNMENT OF INVENTION

This assignment ("Assignment") is made by the undersigned inventor(s) of residence as listed (collectively, the "Assignors") to **SWIFT BIOSCIENCES, INC.** ("Assignee"), having a place of business at 674 S. WAGNER ROAD, SUITE 100, ANN ARBOR, MICHIGAN 48103, USA.

### RECITALS

A. The Assignors have invented a new and useful invention entitled **METHODS FOR PROCESSING DNA SUBSTRATES** for which a Non-Provisional of U.S. Provisional Patent Application Serial Nos. 62/078,309 filed November 11, 2014, 62/078,313 filed November 11, 2014 and 61/934,515 filed January 31, 2014 was filed July 29, 2016 in the United States Patent and Trademark Office (U.S. Application Serial No.15/223,792).

B. The parties desire to have a recordable instrument assigning from the Assignors to the Assignee their entire right, title, and interest in and to the above-identified invention, in any form or embodiment thereof, whether or not claimed in any patent or patent application, patent application, and patent application that may be filed throughout the world and all Letters Patent that may be granted or issued, for the invention or that derive a right of priority from the application (including without limitation, all divisional, continuation, continuation-in-part, request for continued examination, and continued prosecution applications thereof, and all reissues and reexaminations thereof, and all foreign counterparts thereof) (the invention, patent application, and Letters Patent collectively, the "Invention").

### AGREEMENT

NOW, THEREFORE, in accordance with their obligations to assign the Invention, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, each of the Assignors agrees to the foregoing and as follows:

1. Each of the Assignors does and will sell, assign, and transfer to Assignee such Assignor's entire right, title, and interest in and to the Invention, including, without limitation, the rights to file foreign patent applications directly in the name of the Assignee and to claim for any such foreign applications any priority rights to which such applications are entitled under international conventions, treaties, or otherwise.

2. Each of the Assignors agrees that, upon request and without further compensation, but at no expense to such Assignor, such Assignor and such Assignor's legal representatives and assigns will do all lawful acts, including the execution of papers and the giving of testimony, that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing the Invention in the United States and throughout the world, and for perfecting, recording, or maintaining the title of Assignee, and Assignee's successors and assigns, in and to the Invention in the United States and throughout the world. In the event that Assignee is unable for any reason to secure any of the Assignors' signatures to any document that may be necessary or desirable for obtaining, sustaining, reissuing, or enforcing the Invention, in the United States and throughout the world, or for perfecting, recording, or maintaining the title of Assignee, and Assignee's successors and assigns, in and to the Invention in the United States and throughout the world, each such Assignor hereby irrevocably designates and appoints Assignee and Assignee's duly authorized officers and agents as such Assignor's agents and attorneys-in-fact to act for and on such Assignor's behalf and instead of such Assignor to execute such document, all with the same legal force and effect as if executed by such Assignor.

3. Each of the Assignors authorizes and requests the Assistant Commissioner for Patents of the United States and the various counterparts thereof throughout the world to issue and/or grant any Letters Patent granted for each Invention to Assignee, its successors and assigns, as the assignee of the entire interest in such Letters Patent.

4. This Assignment constitutes the entire agreement with respect to its subject matter and supersedes all prior or contemporaneous oral or written agreements concerning such subject matter. No waiver, amendment, or modification of this Assignment shall be effective against the Assignee, unless in writing executed by a duly authorized representative of the Assignee.

Signature: \_\_\_\_\_

Name: Vladimir MAKAROV

Date: \_\_\_\_\_

4.10.2019

Residence Address: \_\_\_\_\_

1601 POND SHORE DRIVE  
ANN ARBOR, MI 48108

Citizenship: \_\_\_\_\_

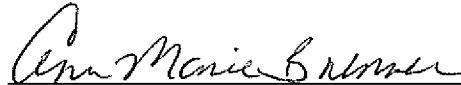
United States of America

Post Office Address: \_\_\_\_\_

Same as Residence

The State of Michigan §  
County of §

Before me, the undersigned authority, on this 10<sup>th</sup> day of April, 2019 personally appeared **Vladimir Makarov**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.



Notary or Consular Officer

ANN MARIE BRENNER  
NOTARY PUBLIC, STATE OF MI  
COUNTY OF LIVINGSTON  
MY COMMISSION EXPIRES Nov 4, 2022  
ACTING IN COUNTY OF Washington

Signature: Julie Laliberte  
Name: Julie LALIBERTE

Date: 04-04-2019

Residence Address: 1807 SHEFFIELD DRIVE  
YPSILANTI, MI 48198

Citizenship: Canada

Post Office Address: Same as Residence

In the State of Michigan §  
In the County of §

Before me, the undersigned authority, on this 4 day of April, 2019 personally appeared **Julie Laliberte**, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he/she executed the same of his/her own free will for the purposes and consideration therein expressed.

April A GINGRAS  
Notary or Consular Officer

