

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT5486833

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
David Halbert	04/26/2017
Valeriy Domenyuk	01/17/2017
David Spetzler	01/17/2017
Tassilo Hornung	01/17/2017
Frank Schafer	11/12/2017
NICK XIAO	02/28/2017
RECEIVING PARTY DATA	
Name:	CARIS LIFE SCIENCES SWITZERLAND HOLDINGS GMBH
Street Address:	ST. JACOBSTRASSE 199
Internal Address:	CITYGATE
City:	BASEL
State/Country:	SWITZERLAND
Postal Code:	4052
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	15913772
CORRESPONDENCE DATA	
Fax Number:	(877)769-7945
<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:	+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:	48074-0046003
NAME OF SUBMITTER:	CHRISTINE M. GRACE
SIGNATURE:	/Christine M. Grace/
DATE SIGNED:	04/23/2019

PATENT

Total Attachments: 6

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PATENT ASSIGNMENT

Docket Number 37901-811.601

WHEREAS, the undersigned:

- 1. HALBERT, David D. Colleyville, TX
- 2. DOMENYUK, Valeriy Phoenix, AZ
- 3. SPETZLER, David Paradise Valley, AZ
- 4. HORNUNG, Tassilo Phoenix, AZ
- 5. SCHAFER, Frank Dusseldorf, Germany
- 6. XIAO, Nick Rockville, MD

(hereinafter "inventor(s)"), have invented certain new and useful improvements in

AFTAMERS AND USES THEREOF

WHEREAS, Caris Life Sciences Switzerland Holdings, s.a.r.l., equivalently Caris Life Sciences Switzerland Holdings, GmbH, and previously named Caris Life Sciences Luxembourg Holdings, s.a.r.l., a corporation of the State OR Commonwealth of Switzerland, having a place of business at St. Jakobstrasse 199, Citygate, 4052 Basel, Switzerland, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said patent applications listed in Exhibit I hereto (hereinafter "Application(s)") and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said inventor(s) (hereinafter collectively referred to as "inventions"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said inventor(s) to have been received in full from said Assignee:

1. Said inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said inventions, including the right to claim priority to said inventions; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s).

2. Said inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said inventions; and (f) for legal proceedings involving said inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said inventor(s) in providing such cooperation shall be paid for by said Assignee.

3. 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 inventor(s), their respective heirs, legal representatives and assigns.

4. Said inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. Said inventor(s) hereby 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.

IN WITNESS WHEREOF, said inventor(s) have executed and delivered this instrument to said Assignee as of the dates written below.

Date: _____ Date: 1/17/2017 _____
 David D. Halbert Valeriy Domyuk

Date: 1/17/17 _____ Date: 1/17/2017 _____
 David Spetzler Tassilo Hornung

Date: _____ Date: 2/28/17 _____
 Frank Schaffer Nick Xiao

RECEIVED AND AGREED TO BY ASSIGNEE:

Date: _____ By: _____
 Name: Russ Farr
 Title: SVP & General Counsel

Exhibit 1

Application No.	Caris Docket No.	Int'l Filing Date	Jurisdiction
* PCT/IB2013/003092	811.601	October 23, 2013	Patent Cooperation Treaty
13840121	811.611	October 23, 2013	European Patent Convention
2013340414	811.681	October 23, 2013	Australia
BR112015009138-5	811.691	October 23, 2013	Brazil
2,928,520	811.701	October 23, 2013	Canada
2013800671300	811.711	October 23, 2013	China (People's Republic)
238408	811.731	October 23, 2013	Israel
3376/DELNP/2015	811.741	October 23, 2013	India
2015-538586	811.761	October 23, 2013	Japan
10-2015-7013515	811.771	October 23, 2013	Korea, Republic of
14/438,172	811.831	October 23, 2013 (April 23, 2015 US entry date)	United States

* Originally filed in the U.S. Receiving Office of the Patent Cooperation Treaty and assigned application number PCT/US2013/066468, and subsequently transferred to the International Bureau of the Patent Cooperation Treaty and reassigned application number PCT/IB2013/003092.

WHEREAS, the undersigned:

1. HALBERT, David D.
Colleyville, TX

(hereinafter "Inventor(s)), have invented certain new and useful improvements in

APTAMERS AND USES THEREOF

WHEREAS, Caris Life Sciences Switzerland Holdings, s.a.r.l., equivalently Caris Life Sciences Switzerland Holdings, GmbH, and previously Caris Life Sciences Luxembourg Holdings, s.a.r.l., a corporation of the State OR Commonwealth of Switzerland, having a place of business at St. Jakobstrasse 199, Citygate, 4052 Basel, Switzerland, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said patent applications listed in Exhibit 1 hereto (hereinafter "Application(s)") and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions, including the right to claim priority to said Inventions; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s).
2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.
3. 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 Inventor(s), their respective heirs, legal representatives and assigns.
4. Said Inventor(s) hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.
5. Said Inventor(s) hereby 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.

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

Date: 4-26-17


David D. Halbert

RECEIVED AND AGREED TO BY ASSIGNEE:

Date: _____

By: _____

Name: Russ Farr
Title: SVP & General Counsel

Exhibit 1

Application No.	Caris Docket No.	Int'l Filing Date	Jurisdiction
* PCT/IB2013/003092	811.601	October 23, 2013	Patent Cooperation Treaty
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14/438,172	811.831	October 23, 2013 (April 23, 2015 US entry date)	United States

* Originally filed in the U.S. Receiving Office of the Patent Cooperation Treaty and assigned application number PCT/US2013/066468, and subsequently transferred to the International Bureau of the Patent Cooperation Treaty and reassigned application number PCT/IB2013/003092.

PATENT ASSIGNMENT

Docket Number 37901-811.601

WHEREAS, the undersigned:

- | | | | |
|--|------------------------------------|---|------------------------------------|
| 1. HALBERT, David D.
Cotleyville, TX | 2. DOMENYUK, Valery
Phoenix, AZ | 3. SPETZLER, David
Paradise Valley, AZ | 4. HORNUNG, Tassilo
Phoenix, AZ |
| 5. SCHAFER, Frank
Düsseldorf, Germany | 6. XIAO, Nick
Rockville, MD | | |

(hereinafter "Inventor(s)"), have invented certain new and useful improvements in the patent applications listed in Exhibit I hereto (hereinafter "Application(s)").

WHEREAS, Caris Life Sciences Switzerland Holdings, s.a.r.l., equivalently Caris Life Sciences Switzerland Holdings, GmbH, and previously named Caris Life Sciences Luxembourg Holdings, s.a.r.l., a corporation of the State OR Commonwealth of Switzerland, having a place of business at St. Jakobstrasse 199, Citygate, 4052 Basel, Switzerland, (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said Application(s) and the inventions disclosed therein, and in and to all embodiments of the inventions, heretofore conceived, made or discovered, whether jointly or severally, by said Inventor(s) (hereinafter collectively referred to as "Inventions"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter "Patent(s)") thereon granted in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Inventor(s) to have been received in full from said Assignee:

1. Said Inventor(s) do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said Inventions, including the right to claim priority to said Inventions; (b) in and to all rights to all United States and corresponding non-United States patent applications and Patent(s), including those filed under the Paris Convention for the Protection of Industrial Property, The Patent Cooperation Treaty or otherwise; (c) in and to any and all applications filed and any and all Patent(s) granted on said Inventions in the United States, in any foreign country, or under any international convention, agreement, protocol, or treaty, including each and every application filed and any and all Patent(s) granted on any application which is a divisional, substitution, continuation, or continuation-in-part of any of said Application(s); and (d) in and to each and every reissue, reexamination, or extensions of any of said Patent(s).

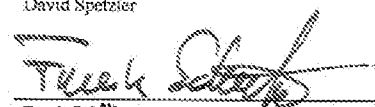
2. Said Inventor(s) hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States, foreign countries, or under any international convention, agreement, protocol, or treaty. Such cooperation by said Inventor(s) shall include prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said Assignee the right, title and interest herein conveyed; (b) for prosecuting any applications covering said Inventions; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Inventions; (d) for filing and prosecuting applications for reissuance of any said Patent(s); (e) for interference or other priority proceedings involving said Inventions; and (f) for legal proceedings involving said Inventions and any applications therefor and any Patent(s) granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventor(s) in providing such cooperation shall be paid for by said Assignee.

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

Date: _____ David D. Halbert	Date: _____ Valery Domenyuk
Date: _____ David Spetzler	Date: _____ Tassilo Hornung
Date: <u>Nov 17, 2017</u>  Frank Schäfer	Date: _____ Nick Xiao

RECEIVED AND AGREED TO BY ASSIGNEE:

Date: 11/17/2017

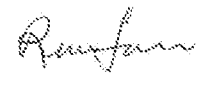
By: 
Name: Russ Parr
Title: SVP & General Counsel



Exhibit 1

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