

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>George Poste</td> <td>08/22/2012</td> </tr> <tr> <td>Michael Klass</td> <td>06/23/2012</td> </tr> <tr> <td>David Spetzler</td> <td>08/28/2012</td> </tr> <tr> <td>Traci Pawlowski</td> <td>08/28/2012</td> </tr> </tbody> </table>		Name	Execution Date	George Poste	08/22/2012	Michael Klass	06/23/2012	David Spetzler	08/28/2012	Traci Pawlowski	08/28/2012
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David Spetzler	08/28/2012										
Traci Pawlowski	08/28/2012										
RECEIVING PARTY DATA											
Name:	Caris Life Sciences Luxembourg Holdings, sarl										
Street Address:	102 Rue de Maraichers										
City:	Luxembourg										
State/Country:	LUXEMBOURG										
Postal Code:	L2124										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US2011031479</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US2011031479						
Property Type	Number										
PCT Number:	US2011031479										
CORRESPONDENCE DATA											
Fax Number:											
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	602-792-2470										
Email:	lgoff@carisls.com										
Correspondent Name:	Logan Goff										
Address Line 1:	4650 E Cotton Center Blvd., Suite 250										
Address Line 4:	Phoenix, ARIZONA 85040										
ATTORNEY DOCKET NUMBER:	37901-706.603										
NAME OF SUBMITTER:	Logan Goff										
Total Attachments: 5 source=Patent Assignment_706.603_Poste#page1.tif source=Patent Assignment_706.603_Poste#page2.tif source=706.603_Patent Assignment_Klass Signed#page1.tif source=706.603_Patent Assignment_SpetzlerPawlowski#page1.tif source=706.603_Patent Assignment_SpetzlerPawlowski#page2.tif											

CH \$40.00 US2011031479

PATENT ASSIGNMENT

Docket Number 37901-706.603

WHEREAS, the undersigned:

- 1. KUSLICH, Christine
Paradise Valley, AZ
- 2. POSTE, George
Cave Creek, AZ
- 3. KLASS, Michael
Oro Valley, AZ
- 4. SPETZLER, David
Scottsdale, AZ
- 5. PAWLOWSKI, Traci
Phoenix, AZ

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

CIRCULATING BIOMARKERS FOR DISEASE

- for which a United States patent application is executed on even date herewith;
- for which Application No. was filed on ___ in the United States Patent Office;
- for which Application No. PCT/US11/31479 was filed on April 6, 2011 in the U.S. Receiving Office of the Patent Cooperation Treaty;
- for which Application No. ____ was filed on ___ in the ____ Patent Office; and/or
- for which an application was filed upon which a United States Patent issued on _____, as U.S. Patent No.

(hereinafter "Application(s)").

WHEREAS, Caris Life Sciences Luxembourg Holdings, s.a.r.l., a Luxembourg corporation, having a place of business at 103 Rue de Marchiers, L-2124 Luxembourg, Grand-Duché de Luxembourg, (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.
- 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: _____ Christine Kuslich Date: 8/22/12 George Poste
George Poste

Date: _____ Michael Klass Date: _____ David Spetzler

Date: _____ Traci Pawlowski

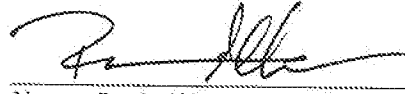
PATENT ASSIGNMENT

Docket Number 37901-706.603

RECEIVED AND AGREED TO BY ASSIGNEE:

Date: 9-27-2022

By:



Name: Ramin Akhavan

Title: VP & Chief IP Counsel

PATENT ASSIGNMENT

Docket Number: See below.

WHEREAS, the undersigned: KLASS, Michael, residing at 11554 N. Verch Way, Oro Valley, AZ 85737 (hereinafter "Inventor"), has invented certain new and useful improvements in molecular profiling of disease as identified in the table below (collectively "Applications"):

Reference No.	Title	Date Filed	Application Serial No.
37901-706.601	Methods and Systems of Using Exosomes for Determining Phenotypes	November 12, 2009	PCT/US09/06095
37901-706.602	Biomarkers for Theranostics	March 1, 2011	PCT/US11/26750
37901-706.603	Circulating Biomarkers for Disease	April 6, 2011	PCT/US11/31479
37901-785.201	Methods for Assessing Melanoma	April 21, 2011	13/092,108

WHEREAS, Caris Life Sciences Luxembourg Holdings, s.a.r.l., a corporation of the State OR Commonwealth of Luxembourg, having a place of business at Rue de Maraichers, L2124 Luxembourg, Grand-Duché de Luxembourg, (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 (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 does 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 hereby covenants and agrees 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 hereby warrants and represents that she not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

5. Said Inventor hereby requests 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: 6/23/12 Michael Klass
 Michael Klass

RECEIVED AND AGREED TO BY ASSIGNEE:

Date: 6-26-2012 By: Ramin Akhavan
 Name: Ramin Akhavan
 Title: VP & Chief IP Counsel

PATENT ASSIGNMENT

Docket Number 37901-706.603

WHEREAS, the undersigned:

- 1. KUSLICH, Christine
Paradise Valley, AZ
- 2. POSTE, George
Cave Creek, AZ
- 3. KLASS, Michael
Oro Valley, AZ
- 4. SPETZLER, David
Scottsdale, AZ
- 5. PAWLOWSKI, Traci
Phoenix, AZ

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

CIRCULATING BIOMARKERS FOR DISEASE

- for which a United States patent application is executed on even date herewith;
- for which Application No. was filed on _____ in the United States Patent Office;
- for which Application No. PCT/US11/31479, was filed on April 6, 2011, in the U.S. Receiving Office of the Patent Cooperation Treaty;
- for which Application No. _____ was filed on _____ in the _____ Patent Office; and/or
- for which an application was filed upon which a United States Patent issued on _____, as U.S. Patent No.

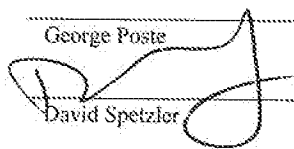
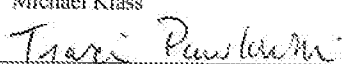
(hereinafter "Application(s)").

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Date: _____ Christine Kuslich _____ Date: _____ George Poste
 Date: _____ Michael Klass _____ Date: 8/29/12  David Spetzler
 Date: 8/29/12  Traci Pawlowski

PATENT ASSIGNMENT

Docket Number 37901-706.603

RECEIVED AND AGREED TO BY ASSIGNEE:

Date:

9-27-10

By:



Name: Ramin Akhavan

Title: VP & Chief IP Counsel