**PATENT ASSIGNMENT**

**SUBMISSION TYPE:** NEW ASSIGNMENT

**NATURE OF CONVEYANCE:** ASSIGNMENT

## CONVEYING PARTY DATA

<table>
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<tr>
<th>Name</th>
<th>Execution Date</th>
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<tr>
<td>George Poste</td>
<td>08/22/2012</td>
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<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>
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## RECEIVING PARTY DATA

<table>
<thead>
<tr>
<th>Name</th>
<th>Caris Life Sciences Luxembourg Holdings, sarl</th>
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<tbody>
<tr>
<td>Street Address</td>
<td>102 Rue de Maraichers</td>
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<tr>
<td>City</td>
<td>Luxembourg</td>
</tr>
<tr>
<td>State/Country</td>
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**PROPERTY NUMBERS Total: 1**

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<td>PCT Number</td>
<td>US2011031479</td>
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## CORRESPONDENCE DATA

Fax Number:
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: 602-792-2470
Email: lgoff@carisis.com

**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
WHEREAS, the undersigned:

1. KUSLICH, Christine
   Paradise Valley, AZ

2. POSTE, George
   Cave Creek, AZ

3. KLAS, Michael
   Oro Valley, AZ

4. SPEZELER, David
   Scottsdale, AZ

5. PAVLOWSKI, 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 hereafter;
☐ for which Application No. was filed on _ in the United States Patent Office;
☒ for which Application No. PCT/US11/3479 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.

(herinafter “Application(s)”).

WHEREAS, Caris Life Sciences Luxembourg Holdings, s.a.r.l., a Luxembourg corporation, having a place of business at 12 Rue de Marlech, 1212 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, 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: ___________________________    Signature: ___________________________
Christine Kuslich

Date: ___________________________    Signature: ___________________________
Michael Klass

Date: ___________________________    Signature: ___________________________
Traci Pawlewski
<table>
<thead>
<tr>
<th>PATENT ASSIGNMENT</th>
<th>Docket Number 37901-706.603</th>
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<tr>
<td>RECEIVED AND AGREED TO BY ASSIGNEE:</td>
<td></td>
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<tr>
<td>Date: 9-27-2022</td>
<td>By:</td>
</tr>
<tr>
<td>Name: Ramin Akhavan</td>
<td></td>
</tr>
<tr>
<td>Title: VP &amp; Chief IP Counsel</td>
<td></td>
</tr>
</tbody>
</table>
PATENT ASSIGNMENT

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”):

<table>
<thead>
<tr>
<th>Reference No.</th>
<th>Title</th>
<th>Date Filed</th>
<th>Application Serial No.</th>
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<tr>
<td>37901-706.602</td>
<td>Biomarkers for Theranostics</td>
<td>March 1, 2011</td>
<td>PCT/US11/26750</td>
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<td>37901-706.603</td>
<td>Circulating Biomarkers for Disease</td>
<td>April 6, 2011</td>
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<tr>
<td>37901-785.201</td>
<td>Methods for Assessing Melanoma</td>
<td>April 21, 2011</td>
<td>13/092,108</td>
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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 Marcheins, 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 (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 reissue 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: 6/29/17
Michael Klass

RECEIVED AND AGREED TO BY ASSIGNEE:

Date: 6/26/2017
By: Ramin Akhavan
Name: VP & Chief IP Counsel
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 162 Rue de Maredsous, L-2124 Luxembourg, Grand-Duché de Luxembourg, (hereinafter "Assignee"), in desiring 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.

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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 Patents(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 Patents 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: ____________________________ Date: ____________________________
Christine Kuslich

Date: ____________________________ Date: 4/28/12
George Poste

Date: 8/29/12
Michael Klass

Date: 8/29/12
Traci Pawlowski

Traci Pawlowski
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<td>Signature</td>
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| Name: Ramin Akhavan                 |
| Title: VP & Chief IP Counsel        |

Docket Number 37901-706.603.