

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT6967276

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|---|-----------------------------------|
| <b>SUBMISSION TYPE:</b>   | NEW ASSIGNMENT                    |
| <b>NATURE OF CONVEYANCE:</b>  | ASSIGNMENT                        |
| <b>CONVEYING PARTY DATA</b>   |                                   |
| <b>Name</b>   | <b>Execution Date</b>             |
| Bert Vogelstein   | 07/30/2020                        |
| Kenneth W. Kinzler  | 07/29/2020                        |
| Nickolas Papadopoulos   | 07/29/2020                        |
| Jian Wu   | 09/15/2021                        |
| Ralph Hruban  | 07/31/2020                        |
| Anirban Maitra  | 09/10/2021                        |
| Marco Dal Molin   | 08/01/2020                        |
| <b>RECEIVING PARTY DATA</b>   |                                   |
| <b>Name:</b>  | THE JOHNS HOPKINS UNIVERSITY      |
| <b>Street Address:</b>  | 3400 NORTH CHARLES STREET         |
| <b>City:</b>  | BALTIMORE                         |
| <b>State/Country:</b>   | MARYLAND                          |
| <b>Postal Code:</b>   | 21218                             |
| <b>PROPERTY NUMBERS Total: 2</b>  |                                   |
| <b>Property Type</b>  | <b>Number</b>                     |
| <b>PCT Number:</b>  | US2012064629                      |
| <b>Application Number:</b>  | 15583141                          |
| <b>CORRESPONDENCE DATA</b>  |                                   |
| <b>Fax Number:</b>  | (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> |                                   |
| <b>Phone:</b>   | +1 (612) 766-2082                 |
| <b>Email:</b>   | krobinson@fr.com, apsi@fr.com     |
| <b>Correspondent Name:</b>  | CAMERON M. LUITJENS               |
| <b>Address Line 1:</b>  | FISH & RICHARDSON P.C.            |
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| <b>Address Line 4:</b>  | MINNEAPOLIS, MINNESOTA 55440-1022 |
| <b>ATTORNEY DOCKET NUMBER:</b>  | 44807-0111002                     |
| <b>NAME OF SUBMITTER:</b>   | KARISSA ROBINSON                  |
| <b>SIGNATURE:</b>   | /Karissa Robinson/                |

PATENT

|                     |            |
|---------------------|------------|
| <b>DATE SIGNED:</b> | 10/13/2021 |
|---------------------|------------|

**Total Attachments: 8**

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- source=44807-0111WO1US1002\_Assignment#page7.tif
- source=44807-0111WO1US1002\_Assignment#page8.tif

## AASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, BERT VOGELSTEIN, KENNETH W. KINZLER, NICKOLAS PAPAPOPOULOS, JIAN WU, RALPH HRUBAN, ANIRBAN MAITRA, and MARCO DAL MOLIN, each individually assign to THE JOHNS HOPKINS UNIVERSITY, a corporation formed under the laws of Maryland and having a principal place of business at 3400 North Charles Street, Baltimore, MD 21218, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the invention(s) (the "Subject Matter") described in a patent application that names us as inventors, is titled "DIFFERENTIAL IDENTIFICATION OF PANCREATIC CYSTS," and was filed in the United States Patent and Trademark Office on November 12, 2012, as application PCT/US2012/064629; on May 19, 2014, as application 14/359,149; and on May 1, 2017, as application 15/583,141 (the "Application").

This Assignment assigns, in addition to the Subject Matter, (a) the Application and all other applications that may be made for, and all patents, utility models, design registrations, and other rights of exclusion and inventors' certificates for, any of the Subject Matter (collectively the "Applications and Granted Rights") in every country or region and under every treaty or convention, (b) the right to claim priority based on and the benefit of the filing date of any of the Applications and Granted Rights ~~under the~~ International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other applicable treaties or ~~conventions~~, and (c) the right to pursue, collect, and retain in the Assignee's name or otherwise, damages and any other remedies arising from any past, present, or future infringement of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment.

To the extent any portion of the rights assigned by this Assignment has previously been assigned to the Assignee, this Assignment ~~is a~~ confirmation of the previous assignment.

We authorize the Assignee to apply for and pursue protection for any or all of the Subject Matter, the Applications and Granted Rights, and any other rights assigned by this Assignment in all countries, regions, and territories of the world, in our names or in the Assignee's name.

We represent and warrant that we have the right and power to make this Assignment and that we have not made and will not make any other assignment that conflicts with this Assignment.

We will communicate to the Assignee (or, at the request of the Assignee to other parties) all known facts in any form relating to the Subject Matter; will execute and provide all oaths and declarations, statements, testimony, assignments, powers of attorney, applications, and documents; and will perform all other lawful acts necessary or desirable to secure fully to the Assignee the rights, titles, and interests assigned by this Assignment.

  
Bert Vogelstein

Date: 7<sup>30</sup>.20

Witnessed by:

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

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

Print Name: \_\_\_\_\_

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

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

Print Name: \_\_\_\_\_

Kenneth W. Kinzler  
Kenneth W. Kinzler

Date: 7/29/2020

Witnessed by:

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

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

Print Name: \_\_\_\_\_

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

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

Print Name: \_\_\_\_\_

Nickolas  
Papadopoulos  
/Nickolas Papadopoulos/  
\_\_\_\_\_  
Nickolas Papadopoulos

Digitally signed by Nickolas Papadopoulos  
DN: cn=Nickolas Papadopoulos, o=Johns Hopkins  
School of Medicine, ou, email=npapado1@jhmi.edu,  
c=US  
Date: 2020.07.29 22:29:04 -04'00'

Attorney Docket No.: 44807-0111WO1 / P11769-02  
44807-0111US1 / P11769-03  
44807-0111002 / P11769-08

Date: 7/29/2020

Witnessed by:

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

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

Print Name: \_\_\_\_\_

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

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

Print Name: \_\_\_\_\_

[Signature]  
Jian Wu

Date: 09/15/2021

Witnessed by:

Signature: Wei Guo

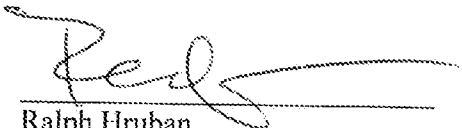
Date: 09/15/2021

Print Name: Wei Guo

Signature: Shuanghua Ren

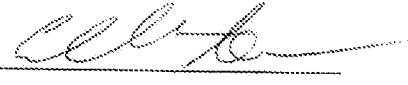
Date: 09/15/2021

Print Name: Shuanghua Ren

  
Ralph Hruban

Date: 7/31/2020

Witnessed by:

Signature: 

Date: 7/31/20

Print Name: Christina Adams

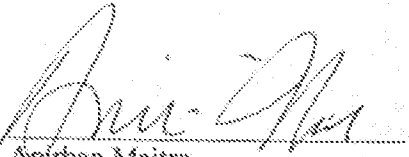
Signature: 

Date: 7/31/2020

Print Name: Cordelia E Lee



Attorney Docket No.: 44807-0111WO1 / P11769-02  
44807-0111US1 / P11769-03  
44807-0111RO2 / P11769-08

  
Anirban Maitra

Date: 9/10/2021

Witnessed by:

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


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

Print Name: \_\_\_\_\_

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

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

Print Name: \_\_\_\_\_



Marco Dai Molin

Date: 8/1/20

Witnessed by:

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

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

Print Name: \_\_\_\_\_

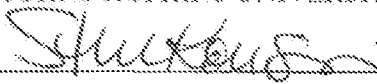
Signature: \_\_\_\_\_

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

Print Name: \_\_\_\_\_

The Assignee hereby acknowledges and accepts the foregoing assignment.

Assignee: THE JOHNS HOPKINS UNIVERSITY

Signature: 

Date: 9/23/2021

Name: Steven Kocsouris

Title: Executive Director, Johns Hopkins Technology Ventures, The Johns Hopkins University

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