

## PATENT ASSIGNMENT COVER SHEET

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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>
	JON I EINARSSON	11/22/2018
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	THE BRIGHAM AND WOMEN'S HOSPITAL, INC.	
<b>Street Address:</b>	75 FRANCIS STREET	
<b>City:</b>	BOSTON	
<b>State/Country:</b>	MASSACHUSETTS	
<b>Postal Code:</b>	02115	
<b>PROPERTY NUMBERS Total: 3</b>		
<b>Property Type</b>	<b>Number</b>	
<b>Application Number:</b>	16367742	
<b>Application Number:</b>	17069827	
<b>PCT Number:</b>	US2018047272	
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>		
<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>		
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<b>ATTORNEY DOCKET NUMBER:</b>	FREA 102 A-2	
<b>NAME OF SUBMITTER:</b>	BRIAN POLLACK	
<b>SIGNATURE:</b>	/Brian Pollack/	
<b>DATE SIGNED:</b>	01/29/2022	
<b>Total Attachments: 7</b>		
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## CONFIRMATORY ASSIGNMENT AND DECLARATION

**THIS ASSIGNMENT**, by Jon L. Einarsson, whose Post Office address is 1335 Boylston Street, Unit 1301, Boston, MA 02215, US (hereinafter referred to as Assignor);

**WHEREAS**, Assignor has invented certain new and useful improvements in patent applications filed in the United States Patent and Trademark Office listed in Appendix A annexed hereto;

**WHEREAS**, Assignor previously signed "The Brigham and Women's Hospital, Inc. Intellectual Property Acknowledgement" on June 21, 2016, annexed hereto; and

**WHEREAS**, Brigham And Women's Hospital, Inc., whose Post Office address is 75 Francis Street, Boston, Massachusetts 02115 US (hereinafter referred to as Assignee), is desirous of acquiring the right, title and interest in and to said inventions and said Applications for Letters Patent attributable to the inventive contribution of Jon L. Einarsson, and in and to any Letters Patent of the United States to be obtained therefore and thereon, to the extent that Assignee is not already in legal possession of these rights by way of said "Intellectual Property Acknowledgement".

**NOW, THEREFORE**, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, Assignor, to the extent not transferred by said "Intellectual Property Acknowledgement" has sold, assigned, transferred and set over, and by these presents do hereby assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the right, title and interest in and to the above-mentioned inventions and applications for Letters Patent attributable solely to the inventorship of Jon L. Einarsson, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign countries which may be granted therefore and thereon, and reissues, reexaminations and extensions of said Letters Patent, the right to claim priority to any such applications, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as the same would have been held and enjoyed by Assignor, had this sale and assignment not been made.

AND Assignor hereby requests the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, to the extent said Letters Patent names Jon I. Einarsson as an inventor.

AND each Assignor hereby states as follows: (i) The above-identified application was made or authorized to be made by me; (ii) I believe that I am the original inventor or an original joint inventor of a claimed invention in each of the above-referenced applications; and (iii) I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

AND Assignor hereby grants the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

CRAWFORD MAUNU PLLC

All practitioners at Customer Number 40581

AND Assignor acknowledges an obligation of assignment of said invention(s) to Assignee at the time the invention was made.

Date: November 22, 2018

Signature

Jon I. Einarsson

## APPENDIX A

1. International Patent Application No. PCT/US2018/047272, filed August 21, 2018.
2. U.S. Provisional Patent Application Number 62/249,615, filed November 2, 2015.
3. U.S. Provisional Patent Application Number 62/438,579, filed December 23, 2016.
4. International Patent Application No. PCT/US2017/068342, filed December 22, 2017.
5. International Patent Application No. PCT/US2018/045380, filed August 6, 2018.



Jon Edvardson MD

Name and Degree

Unit Number

OB/Gyn  
Dept./Service/Unit

Please **print** your name here  
and sign where indicated below

**THE BRIGHAM AND WOMEN'S HOSPITAL, INC.  
INTELLECTUAL PROPERTY ACKNOWLEDGEMENT**

Definitions:

"The Hospital" means The Brigham and Women's Hospital, Inc.

"Hospital Activities" means any activities that received direct or indirect financial support from the Hospital, including Hospital salary support or funding from any outside source awarded to or administered by the Hospital; made substantial use of any space, facilities, materials or other resources of the Hospital including resources provided in-kind by outside sources (the use of office space and word processors alone is not considered a "substantial use" of resources); or were otherwise subject to any grant, contract or other arrangement between the Hospital and a third party, such as the federal government, a foundation or corporate research sponsor.

"Invention" is any patentable invention as defined by patent law, or any other idea or its embodiment that is potentially patentable or, even if not patentable, may have charitable or commercial value. Examples of Inventions include but are not limited to new and improved devices, systems, circuits, and compounds; novel biological materials such as proteins, genes, DNA constructs, cell lines and transgenic animals; diagnostics; immunoassays; therapeutics; new uses of known articles or substances; new methods of producing or manufacturing any articles or substances; algorithms; and Software.

"Software" means computer or computer-based materials in the broadest sense, including but not limited to computer programs, user interfaces, users' manuals and other accompanying explanatory materials or documentation, mask works, firmware and computerized databases. Software will in many cases be treated as an Invention as well as a Copyrightable Work.

"Copyrightable Work" means any original work of authorship that is fixed in any tangible medium of expression, including Software.

Acknowledgement:

I acknowledge that as a condition of my appointment to the Professional Staff of or employment by the Hospital, or my opportunity to otherwise participate in any Hospital Activities, I am subject to the following obligations:

1. General Compliance with Policies. I must, and confirm that I will, comply fully with the "Intellectual Property Policy for Partners-Affiliated Hospitals and Institutions" ("IP Policy"), a copy of which is attached hereto, "Partners HealthCare System, Inc. Code of Conduct," and "Partners Policy for Interactions with Industry and Other Outside Entities," as these policies may be revised from time to time. I understand that any revision of these

policies will be posted on the Hospital or Partners HealthCare System, Inc. websites or otherwise published in the Hospital community or mailed to me at my Hospital address.

2. My Disclosure Obligations. I understand that, among my obligations under the IP Policy, I must, and confirm that I will, promptly disclose to the Director of Partners HealthCare Innovation, by completing the Hospital's Disclosure Form:

- a. every Invention which I shall conceive or reduce to practice, individually or jointly with others during the time when I have a Professional Staff appointment at the Hospital or am employed by the Hospital or an affiliated organization of the Hospital (including the Brigham and Women's Physicians Organization (BWPO)), or otherwise am involved in Hospital Activities:
  - (i) which is or may be patentable and (A) which is conceived or reduced to practice in performing Hospital Activities or (B) that arises out of or relates to my clinical, research, educational or other activities at the Hospital; or
  - (ii) whether or not patentable (A) that I wish to make or permit use of for commercial purposes, wish to have the Hospital commercialize, or believe potentially may have commercial or charitable value; (B) that I otherwise wish to make available to the public or any third party that is reasonably likely to use it for commercial purposes or broad distribution; (C) that is subject to any grant, contract or other arrangement between the Hospital and a third party; or (D) that I am otherwise requested by Partners HealthCare Innovation to disclose.

I understand that my disclosure obligation applies even to Inventions that I believe are not owned by the Hospital.

- b. every Copyrightable Work, including Software, which I shall create, individually or jointly with others, during the time when I have a Professional Staff appointment at the Hospital, am employed by the Hospital or an affiliated organization of the Hospital (including the BWPO), or otherwise am involved in Hospital Activities, (i) that I wish to make or permit use of for commercial purposes, wish to have the Hospital commercialize, or believe potentially may have commercial or charitable value; (ii) that I otherwise wish to make available to the public or any third party that is reasonably likely to use it for commercial purposes or broad distribution; (iii) that is subject to any grant, contract or other arrangement between the Hospital and a third party; or (iv) that I am otherwise requested by Partners HealthCare Innovation to disclose. I understand that in the event that Software is patentable I also have an obligation to disclose it in accordance with Section 2(a)(i) above. I understand that my disclosure obligation applies even to some Copyrightable Works that I believe are not owned by the Hospital. I also understand that I am free to publish, without prior disclosure to Partners HealthCare Innovation, certain Copyrightable Works that

meet the foregoing criteria, but which also meet the definition of an "Academic Work" under the IP Policy, although if there is any reasonable question whether a given Copyrightable Work constitutes an "Academic Work," I agree that I will discuss it with the Director of Partners HealthCare Innovation prior to publication.

- c. I agree that I shall execute anything necessary to document my assignment to the Hospital of all rights, title and interest in any Invention and/or Copyrightable Work.

3. My Obligations to Assign Intellectual Property. I also acknowledge that I am obligated under the IP Policy as follows, and I therefore affirm that I will comply with all such obligations:

- a. I hereby assign to the Hospital every Invention which I shall conceive or reduce to practice, individually or jointly with others, during the time when I have a Professional Staff appointment at the Hospital, am employed by the Hospital or an affiliated organization of the Hospital (including the BWPO), or otherwise am involved in Hospital Activities, that was conceived or reduced to practice by me (i) in performing Hospital Activities; or (ii) that arise out of or relate to my clinical, research, educational or other activities at the Hospital.
- b. I hereby assign to the Hospital every Copyrightable Work which I shall create, individually or jointly with others, during the time when I have a Professional Staff appointment at the Hospital, am employed by the Hospital or an affiliated organization of the Hospital (including the BWPO), or otherwise am involved in Hospital Activities, that (i) was authored or created in performing Hospital Activities; (ii) if I am a Professional Staff member, is created at the request of the Hospital or as part of a Hospital undertaking; (iii) if I am not a Professional Staff member, is created at the request of the Hospital or as part of a Hospital undertaking or is otherwise created in the scope of my employment or affiliation with the Hospital; or (iv) is Software that arises out of or relates to my clinical, research, educational or other activities at the Hospital. I understand that I am not required to assign ownership of certain Copyrightable Works that meet the foregoing criteria, but which also meet the definition of an "Academic Work" under the IP Policy, although if there is any reasonable question whether a given Copyrightable Work constitutes an "Academic Work" I agree that I will discuss it with the Director of Partners HealthCare Innovation. I also understand that my obligation to assign a Copyrightable Work to the Hospital is necessary only to the extent that the Copyrightable Work is not otherwise owned by the Hospital as a "work made for hire" under the copyright laws of the United States.

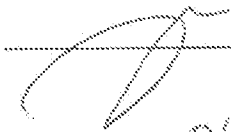
4. My Additional Obligations to Disclose and Obtain Approval of Consulting Agreements. I acknowledge that pursuant to the "Partners Policy for Interactions with Industry and Other Outside Entities," I must, and hereby affirm that I will, file with the Office for Interactions with Industry, within thirty (30) days of the date hereof, a complete and true copy of every



agreement to which I am a party on the date hereof and in which I have agreed to provide consulting services to anyone; and to submit any future consulting agreement to the Office for Interactions with Industry for review and approval prior to my signing it.

5. My Obligations under Hospital Grants and Agreements. I acknowledge that I must, and agree that I will, comply fully with every obligation of the Hospital which shall apply to me under any grant or agreement providing support for research.
6. My Agreement Not to Sign Documents. I understand and agree:
  - a. that I am not authorized to sign, and I will not sign, any agreement or document on behalf of the Hospital that may commit, restrict, or otherwise affect Inventions or Copyrightable Works that I create, including confidentiality agreements, license agreements, material transfer agreements, and research agreements;
  - b. that I will not sign individually any document or agreement described in subsection (a) (other than one solely involving an Academic Work) unless specifically approved or requested to do so by a representative of Partners HealthCare Innovation; and
  - c. that all such documents must be submitted to Partners HealthCare Innovation.

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

  
\_\_\_\_\_

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

06/21/16  
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