504854912 04/05/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
NIKHIL C. MUNSHI	03/22/2018
JOOEUN BAE	03/20/2018
KENNETH C. ANDERSON	03/20/2018

RECEIVING PARTY DATA

Name:	DANA-FARBER CANCER INSTITUTE, INC.
Street Address:	450 BROOKLINE AVENUE
City:	BOSTON
State/Country:	MASSACHUSETTS
Postal Code:	02215-5450

PROPERTY NUMBERS Total: 2

Property Type	Number	
Application Number:	61058180	
PCT Number:	US2009045866	

CORRESPONDENCE DATA

Fax Number: (877)769-7945

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using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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JOSEPH J. KOIPALLY **Correspondent Name:** FISH & RICHARDSON P.C. Address Line 1:

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ATTORNEY DOCKET NUMBER:	00530-0154P01
NAME OF SUBMITTER:	MARYANN WHITE
SIGNATURE:	/Maryann White/
DATE SIGNED:	04/05/2018

Total Attachments: 5

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> **PATENT** REEL: 045448 FRAME: 0985 504854912

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> PATENT REEL: 045448 FRAME: 0986

Attorney Docket No.: 00530-0154P01 and -0154W01/DFCI1202

ASSIGNMENT

For valuable consideration, the receipt of which we acknowledge, and intending to be bound legally, we, NIKHIL C. MUNSHI, JOOEUN BAE, and KENNETH C. ANDERSON, each individually assign to DANA-FARBER CANCER INSTITUTE, INC., a corporation formed under the laws of Massachusetts and having a principal place of business at 450 Brookline Avenue, Boston, MA 02215-5450, and its successors, transferees, and assignees (collectively the "Assignee"), all of our individual and joint right, title, and interest throughout the world in the subject matter (the "Subject Matter") of patent applications that name us as inventors, titled "XBP1, CD138, AND CS1 PEPTIDES," filed June 1, 2009, and assigned PCT Application No. PCT/US2009/045866, and also described in U.S. Provisional Patent Application No. 61/058,180, filed June 2, 2008 in the United States (the "Applications").

This Assignment assigns (a) the Applications 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, (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.

We hereby confirm our prior authorization of the Assignee, as of June 2, 2008 (for the provisional application) and June 1, 2009 (for the PCT application), 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.

Assignment Page 1 of 5

Attorney Docket No.: 00530-0154P01 and -0154WO1 / DFCI 1202

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.

@ Joo & DATE: \$\\ 20/2018

The Commonwealth of Massachusetts



On this 20 day of March 2018, before me, the undersigned notary public, personally appeared Jooeun Bac, proved to me through satisfactory evidence of identification, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

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PATENT REEL: 045448 FRAME: 0988

1/2	DATE:	03/22/18	
Nikhil C. Munshi			

The Commonwealth of Massachusetts

sofferk county ss.



On this <u>2.2</u> day of <u>xxxxxx</u>, 2018, before me, the undersigned notary public, personally appeared Nikhil C. Munshi, proved to me through satisfactory evidence of identification, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

Notary Public

PAIGE EMILY TOBIE
Notary Public
COMMONWEAUTH OF MASSACHUSETTS
My Commission Expires On
November 30, 2023

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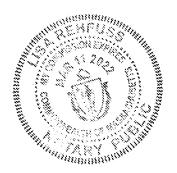
Kannoth C Anderson DATE: 3/20/18

The Commonwealth of Massachusetts



On this <u>A</u>day of <u>March</u>, 2018, before me, the undersigned notary public, personally appeared Kenneth C. Anderson, proved to me through satisfactory evidence of identification, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

Notary Public ,



Assignment Page 4 of 5

the Assignee hereby acknowledges and accepts the foregoing assignment.				
Assignee:	DANA-FARBER CANCER INSTITUTE, INC.			
Signature:	Hary John	Date: _	0 4 APR 7018	
Name:	Hilary J. Libka			
Title:	Intellectual Property Counsel			

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RECORDED: 04/05/2018

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