

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
RUSHDY AHMAD	05/15/2013
STEVEN A. CARR	05/15/2013
RECEIVING PARTY DATA	
Name:	THE BROAD INSTITUTE, INC.
Street Address:	415 MAIN STREET
City:	CAMBRIDGE
State/Country:	MASSACHUSETTS
Postal Code:	02142
PROPERTY NUMBERS Total: 1	
Property Type	Number
PCT Number:	US1342620
CORRESPONDENCE DATA	
Fax Number:	(617)646-8646
<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>	
Phone:	617-646-8000
Email:	pbramwell@wolfgreenfield.com
Correspondent Name:	MARIA A. TREVISAN
Address Line 1:	600 ATLANTIC AVE
Address Line 2:	WOLF GREENFIELD
Address Line 4:	BOSTON, MASSACHUSETTS 02210
ATTORNEY DOCKET NUMBER:	B1195.70006WO00 BROAD
NAME OF SUBMITTER:	PAULA J. BRAMWELL
SIGNATURE:	/Paula J. Bramwell/
DATE SIGNED:	02/03/2017
Total Attachments: 3	
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ASSIGNMENT

For good and valuable consideration, the receipt of which is hereby acknowledged, I, the undersigned Assignor, hereby:

1. Sell, assign and transfer to **The Broad Institute, Inc.**, having a place of business at **7 Cambridge Center, Cambridge, Massachusetts 02142**, its successors, assigns and legal representatives, all hereinafter referred to as the Assignee, my entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and designs which are disclosed in the provisional patent applications filed in the United States Patent and Trademark Office on **May 24, 2012** and **March 13, 2013** under Nos. **61/651,510** and **61/780,121**, bearing Attorney Docket Nos. **B1195.70006US00** and **B1195.70006US01**, both entitled **METHODS AND DEVICES FOR TUBERCULOSIS DIAGNOSIS USING BIOMARKER PROFILES**, and in and to the application and all corresponding provisional, non-provisional, divisional, continuing, substitute, renewal, reissue and all other applications for Letters Patent, utility models, industrial designs or similar intellectual property rights which have been or shall be filed in the United States, internationally, and in any foreign country, including but not limited to China, Japan and Korea, on any of the inventions; and in and to all original and reissued patents which have been or shall be issued in the United States or any other jurisdiction on the inventions, including the right to apply for patent rights in each foreign country and all rights to priority, including the right to claim priority for China, Japan and Korea;
2. Agree that the Assignee may apply for and receive Letters Patent and utility model and industrial design registrations for the inventions in its own name; and when requested, without charge to but at the expense of the Assignee, I agree to carry out in good faith the intent and purpose of this assignment, by executing all non-provisional, divisional, continuing, substitute, renewal, reissue, and all other patent, utility model and industrial design applications on any and all the inventions, by executing all rightful oaths, assignments, powers of attorney and other papers, by communicating to the Assignee all facts known to me relating to the inventions and the history thereof, and generally by doing everything reasonably possible which the Assignee shall consider desirable for aiding in securing and maintaining proper protection for the inventions and for vesting title to the inventions and all applications for patents and all patents on the inventions, in the Assignee;
3. Request the Director of the United States Patent and Trademark Office to issue the Letters Patent to the Assignee;
4. Authorize and request Wolf, Greenfield & Sacks, P.C. to supply any missing patent/application identification information or correct any errors in the patent/application identification information provided above, whether discovered prior to or after recordation;
5. Covenant with the Assignee that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by me and that full right to convey the same as herein expressed is possessed by me; and
6. Appoint Assignee, through its designee, my attorney-in-fact to execute, in my name and on my behalf, any and all documents required to effectuate this Assignment, specifically including, but not limited to, those documents specified above and any necessary corrective assignments.

This instrument is executed under seal and signed under the pains and penalties of perjury under the laws of the United States of America.

5/15/2013
Date

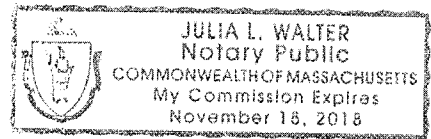
Rushdy Ahmad
Inventor: Rushdy Ahmad
Address: 11 St. Lawrence Way GRA 9 Castle Drive
North Attleboro, Massachusetts 02760 Sharon
MA 02067
Citizenship: US

STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex:

On this 15th day of May, 2013, before me, the undersigned notary public,
personally appeared Rushdy Ahmad, proved to me through satisfactory evidence of
identification, which were employee ID
to be the person who signed the preceding or attached document in my presence and swore or affirmed
to me that the contents of the document are truthful and accurate to the best of (his) (her) knowledge
and belief and acknowledged to me that (he) (she) signed it voluntarily for its stated purpose.

SEAL

Julia L. Walter
Notary Public
My commission expires: 11/18/18



Date 5/15/13

Inventor: Steven A. Carr

Address: 12 B Mulberry Lane
Boxford, Massachusetts 01921

Citizenship: US

STATE/Commonwealth of Massachusetts
COUNTY OF Middlesex

On this 15th day of May, 2013, before me, the undersigned notary public,
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identification, which were employee ID
to be the person who signed the preceding or attached document in my presence and swore or affirmed
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Julia L. Walter
Notary Public
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