

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
HONGKUN PARK	04/27/2014
ALEXANDER K. SHALEK	03/28/2014
JELLERT GAUBLOMME	04/07/2014
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PROPERTY NUMBERS Total: 3	
Property Type	Number
Application Number:	14837702
PCT Number:	US2014019127
Application Number:	61770036
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SIGNATURE:	/Christina Colocotronis/
DATE SIGNED:	01/15/2016
Total Attachments: 3	

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Attorney Docket No. 39564-530001WO

ASSIGNMENT

We, **Hongkun Park; Alexander K. Shalek, and Jellert Gaublomme**, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, confirm that I have sold and assigned, and do hereby assign, sell and transfer to **President and Fellows of Harvard College**, with offices at **17 Quincy Street, Cambridge, Massachusetts 02138**, and to its successors, assigns and legal representatives, collectively hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the international patent application entitled:

T CELL BALANCE GENE EXPRESSION, COMPOSITIONS OF MATTERS AND METHODS OF USE THEREOF

filed with the United States Patent and Trademark Office Receiving Office on **February 27, 2014**, and assigned International Application No. **PCT/US2014/019127**, which claims priority to, and/or the benefit of, U.S. Provisional Application No. **61/770,036**, filed **February 27, 2013**, and including any national/regional phase applications, U.S. utility applications, renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications thereof; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in our names as the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

First Inventor : Aviv Regev
Application No. : PCT/US2014/019127
Filed : February 27, 2014
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We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to me and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

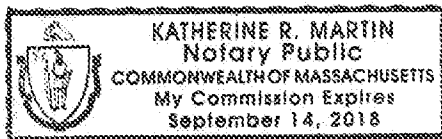
Date: 4/27/14

Hongkun Park
Signature of: **Hongkun Park**

State of Massachusetts

County of Middlesex

On this 28th day of April, 2014, before me, the undersigned notary public, personally appeared **Hongkun Park**, proved to me through satisfactory evidence of identification, which was a MA State Drivers License, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.




Katherine R. Martin
Notary Public

My commission expires 9/14/18

First Inventor : Aviv Regev
Application No. : PCT/US2014/019127
Filed : February 27, 2014
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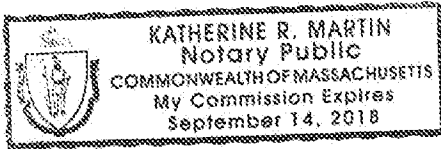
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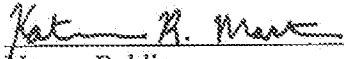

Signature of: Alexander K. Shalek

State of Massachusetts

County of Middlesex

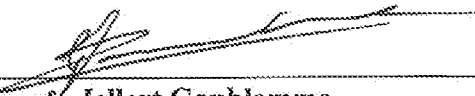
On this 28th day of March, 2014, before me, the undersigned notary public, personally appeared Alexander K. Shalek, proved to me through satisfactory evidence of identification, which was a personally known, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.




Notary Public

My commission expires 9/14/18

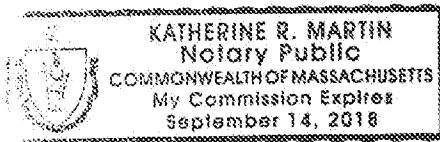
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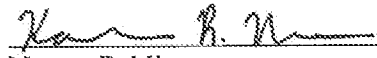

Signature of: Jellert Gaublomme

State of Massachusetts

County of Middlesex

On this 7th day of April, 2014, before me, the undersigned notary public, personally appeared Jellert Gaublomme, proved to me through satisfactory evidence of identification, which was a personally known, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of this document are truthful and accurate to the best of his/her knowledge and belief.




Notary Public

My commission expires 9/14/18