

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Pamela Basto	06/01/2009
Jinjun Shi	06/08/2009
Robert Langer	05/26/2009
RECEIVING PARTY DATA	
Name:	Massachusetts Institute of Technology
Street Address:	Five Cambridge Center
City:	Cambridge
State/Country:	MASSACHUSETTS
Postal Code:	02142
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12428408
CORRESPONDENCE DATA	
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Address Line 4:	Atlanta, GEORGIA 30309
ATTORNEY DOCKET NUMBER:	MIT 13399(1) MIT
NAME OF SUBMITTER:	Patrea L. Pabst

Total Attachments: 4
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Via EFS
Date of Deposit:

Attorney Docket No. 39408-504002US

ASSIGNMENT

We, **Pamela Basto, Jinjun Shi and Robert Langer** the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, confirm that we have sold and assigned, and do hereby assign, sell and transfer to **MASSACHUSETTS INSTITUTE OF TECHNOLOGY**, with offices at Five Cambridge Center, Room NE25-230, Cambridge, MA 02142, 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 application for United States Letters Patent entitled:

IMMUNONANOTHERAPEUTICS THAT PROVIDE IgG HUMORAL RESPONSE WITHOUT T-CELL ANTIGEN

filed with the U.S. Patent and Trademark Office on **April 22, 2009** and assigned Application No. **12/428,408**, including any subsequently filed utility applications, which claim priority to Application No. **PCT/US08/11932**, and including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/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 us 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.

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 ASSIGNOR 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: 06/01/09

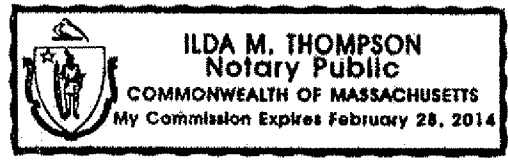
Pamela Basto
Signature of: Pamela Basto

State of Massachusetts
County of Middlesex

On this 1 day of June, 2009, before me, the undersigned notary public, personally appeared Pamela Basto, proved to me through satisfactory evidence of identification, which was a Mass Lic ID, 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.

Ilida M. Thompson
Notary Public

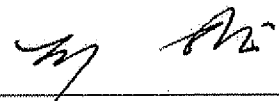
My commission expires 2/28/2014



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

I 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 ASSIGNOR 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: 6/8/2009


Signature of: **JinJun Shi**

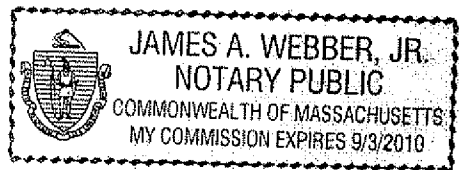
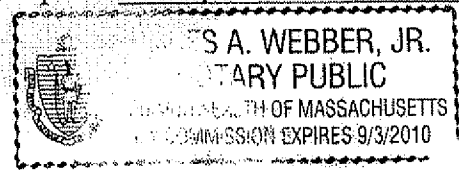
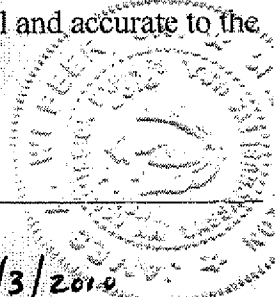
State of MA.

County of Suffolk

On this 8 day of June, 2009, before me, the undersigned notary public, personally appeared **JinJun Shi**, proved to me through satisfactory evidence of identification, which was a BWV ID, 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 9/3/2010



4632283v.1

First Inventor: Matteo Iannacone
Application No.: 12/428,408
Filed: April 22, 2009
Page 3 of 3

Date: _____
Signature of: **Jinjun Shi**

State of _____
County of _____

On this _____ day of _____, 200____, before me, the undersigned notary public, personally appeared **Jinjun Shi**, proved to me through satisfactory evidence of identification, which was a _____, 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.

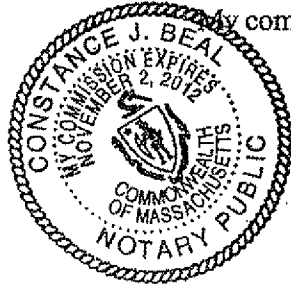
Date: 5/26/2009
Signature of: **Robert Langer**

State of Massachusetts
County of Middlesex

On this 26th day of May, 2009, before me, the undersigned notary public, personally appeared **Robert Langer**, proved to me through satisfactory evidence of identification, which was a MIT ID# 90009057, 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.

Constance J. Beal
Notary Public

My commission expires 11/02/2012



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