

## 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>
DREW M. PARDOLL	04/05/2006
CHING-TAI HUANG	04/24/2006
JONATHAN POWELL	04/05/2006
CHARLES DRAKE	04/05/2006
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE JOHNS HOPKINS UNIVERSITY
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<b>City:</b>	BALTIMORE
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	21201
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14973806
<b>CORRESPONDENCE DATA</b>	
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<b>Address Line 1:</b>	1100 13TH ST. NW
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<b>ATTORNEY DOCKET NUMBER:</b>	001107.01132
<b>NAME OF SUBMITTER:</b>	SARAH A. KAGAN
<b>SIGNATURE:</b>	/Sarah A. Kagan/
<b>DATE SIGNED:</b>	12/28/2015
<b>Total Attachments: 2</b>	
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### ASSIGNMENT

WHEREAS, WE, Drew M. Pardoll, a U.S. citizen, residing at 19400 James Creek Court, Brookeville, Maryland 20833; Ching-Tai Huang, a Taiwanese citizen, residing at 6340 Burnt Mountain Path, Columbia, Maryland 21045; Jonathan Powell, a U.S. citizen, residing at 5417 Purlington Way, Baltimore, Maryland 21212; and Charles C. Drake, a U.S. citizen, residing at 323 Regester Avenue, Baltimore, Maryland 21212 (Assignors), along with Dario A. A. Vignali, a U.K. citizen, residing at 5991 Carriage Drive, Bartlett, Tennessee 38134, and Creg J. Workman, a U.S. citizen, residing at 25 North Idlewild #11, Memphis, Tennessee 38104, have invented certain new and useful improvements in "T CELL REGULATION" for which an International Patent application was filed on March 1, 2004, and accorded Serial No. PCT/US2004/006133, and a U.S. National Phase application was filed on August 29, 2005, and accorded Serial No. 10/547,371;

WHEREAS, The Johns Hopkins University, a corporation duly organized under the laws of the State of Maryland, having a place of business at 3400 N. Charles Street, Baltimore, Maryland 21218 (Assignee), is desirous of acquiring our entire right, title and interest in and to the aforesaid inventions and in and to any Letters Patents of the United States or any foreign country which may be granted therefore;

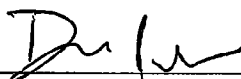
NOW THEREFORE, for good and valuable consideration, we, Drew M. Pardoll, Ching-Tai Huang, Jonathan Powell, and Charles C. Drake, by these presents do sell, assign, and transfer unto The Johns Hopkins University, its successors, legal representatives and assigns, our full right to the said inventions as described in the said applications, and our entire right, title and interest in and to any and all Letters Patents which may be granted therefore in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations and extensions thereof;

AND WE HEREBY authorize and request the Commissioner of Patents and Trademarks or any other proper officer or agency of any country to issue all said Letters Patents to said assignee;


AND WE HEREBY warrant and covenant that we have full right to convey our entire interest herein assigned and that we have not executed and will not execute any instrument or assignment in conflict herewith;

AND WE HEREBY agree to communicate to said assignee or its representatives any facts known to us respecting said inventions, to execute all divisional, continuation, reissue and foreign applications, sign all lawful documents and make all rightful oaths relating to said inventions, and to testify in any judicial or administrative proceeding and generally do everything possible to aid the said assignee to obtain and enforce said Letters Patents in the United States or any foreign country when requested so to do by said assignee.

Date: 4/5/06


Inventor:   
Drew M. Pardoll

Date: 4-24-06

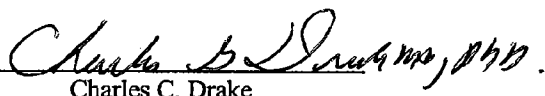
Inventor:   
Ching-Tai Huang

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DM-4255

Date: 4/5/06

Inventor:   
Jonathan Powell

Date: 4/5/06

Inventor:   
Charles C. Drake