504618907 10/31/2017 PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4665622

SUBMISSION TYPE:		NEW ASSIGNMEN	NEW ASSIGNMENT				
NATURE OF CONVEYA	NCE:	EXECUTIVE ORDE	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE				
CONVEYING PARTY D	ΑΤΑ						
		Name	Name		Execution Date		
JOHNS HOPKINS UNIV	ERSITY				10/27/2017		
RECEIVING PARTY DA	TA						
Name:	National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government						
Street Address:	NIH Division of Extramural Inventions and Technology Resources (DEITR)						
Internal Address:	6705 Rockledge Drive, Suite 310, MSC 7980						
City:	Bethesda						
State/Country:	MARYLAND						
Postal Code:	20892-	7980					
Property Type Application Number:		Number 10471559					
Application Number:		10471559					
CORRESPONDENCE D	ΑΤΑ						
Fax Number:	Fax Number: (301)480-0272						
		o the e-mail address first; d; if that is unsuccessful,					
		edison@nih.gov	-				
Correspondent Name:		DIRECTOR, DEITR	ECTOR, DEITR				
Address Line 1:	NIH, 6705 ROCKLEDGE DRIVE, SUITE 310						
Address Line 2:							
Address Line 4:		BETHESDA, MARYLAND 20892-7980					
	NAME OF SUBMITTER:		DIRECTOR, DEITR, NIH				
NAME OF SUBMITTER:		DIRECTOR, DEITR	, INI⊓ 				
NAME OF SUBMITTER: SIGNATURE:		/Director, DEITR, NI	, 				
		,	, 				

LI CENSE TO THE UNI TED STATES GOVERNMENT

Patent Title: Modulation of Systemic Immune Responses by Transplantation of Hematopoietic Stem Cells Transduced with Genes Encoding Antigens and Antigen Presenting Cell Regulatory Molecules

Inventor(s): Linzhao Cheng Yan Cui Drew M Pardoll Curt I Civin Catherine Whartenby

JHU Reference: P03855-01

NIH EIR: 4134401-01-0059

Patent/ Application Serial No.: 10/471,559

I ssue Date/ U.S. Filing Date: 03/18/2004

Grant/ Contract Identification Number(s): CA006973

Foreign Applications filed/ intended in (countries): n/ a

The invention identified above is a Subject Invention under **35 U.S.C. 200, et seq.**, and the Standard Patent Rights clause at **37 CFR 401.14**, **FAR 52.227-11 or FAR 52.227-12** (if applicable) which are included among the terms of the above-identified grant or contract award from the United States Government. This document is confirmatory of:

- 1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations-in-part, and in any and all patents and re-issues granted thereon throughout the world; and
- 2. All other rights acquired by the Government by reason of the above-identified grant/contract award and the laws and regulations that are applicable to the award.

The Government is hereby granted an irrevocable power to inspect and make copies of the aboveidentified patent application.

Signed this	27th	day of	October	, 2017.
			nt Keissar	,
D			alt of the second	·

By: .

Steven L. Kousouris Senior Director – Administration Johns Hopkins University 1812 Ashland Avenue Suite 110 Baltimore, MD 21205

RECORDED: 10/31/2017