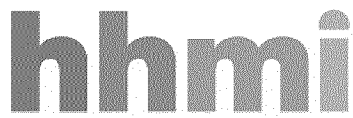


PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: PATI419313

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
SEQUENCE:	2
CONVEYING PARTY DATA	
Name	Execution Date
Howard Hughes Medical Institute	06/20/2024
RECEIVING PARTY DATA	
Company Name:	Washington University
Street Address:	One Brookings Drive
City:	Saint Louis
State/Country:	MISSOURI
Postal Code:	63130
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12796392
CORRESPONDENCE DATA	
Fax Number:	
<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:	(314)747-1794
Email:	dom-uspto@email.wustl.edu
Correspondent Name:	Michael McCay
Address Line 1:	660 South Euclid
Address Line 2:	MSC 8013-0537-01
Address Line 4:	Saint Louis, MISSOURI 63110
ATTORNEY DOCKET NUMBER:	009478-ORD1/1
NAME OF SUBMITTER:	Aimee Geary
SIGNATURE:	Aimee Geary
DATE SIGNED:	08/09/2024
Total Attachments: 4	
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Howard Hughes
Medical Institute

June 20, 2024

Ms. Gina Smutz
Compliance Manager
Office of Technology Management
Washington University
4240 Duncan Avenue
St. Louis, MO 63110

Dear Ms. Smutz:

As you may know, the normal practice of the Howard Hughes Medical Institute ("HHMI") for assigning its rights in inventions developed in the laboratories of its laboratory heads at Washington University ("Institution") is to appoint the inventing laboratory head as its agent for the assignment of rights, so that when that individual signs an assignment to Institution, he or she can sign for himself or herself and on behalf of HHMI.

In certain cases, such as when the inventing laboratory head is no longer an HHMI employee, HHMI's normal procedures may not be appropriate. For this reason, in these cases, we assign HHMI's rights directly to the Institution. Accordingly, attached is a direct assignment by HHMI to the Washington University of HHMI's rights in "**Anti-BTLA treatment prevents graft-vs-host disease by expanding CD4+ FoxP3+ T regulatory T cells**" by Kenneth M. Murphy, MD, PhD.

If you have any questions about this, please do not hesitate to contact me.

Sincerely,

A handwritten signature in dark ink, reading "Crystal Nwachuku". The script is fluid and cursive, with the first name "Crystal" and last name "Nwachuku" clearly legible.

Crystal Nwachuku
Legal Administrative Assistant

Enclosure
cc: Kenneth M. Murphy, MD, PhD

Office of the General Counsel
4000 Jones Bridge Road
Chevy Chase, Maryland 20815-6789
IP@hhmi.org

PATENT
REEL: 068234 FRAME: 0323

ASSIGNMENT

Assignment made by the Howard Hughes Medical Institute, a Delaware corporation ("HHMI"), to Washington University ("Institution").

WHEREAS, HHMI and Institution have collaborated in the active conduct of medical research pursuant to an Agreement between them dated as of February 1, 1990 (the "Agreement") that applies to Subject Property (as defined in the Agreement) which is disclosed to the Institution prior to August 1, 2015;

WHEREAS, pursuant to the Agreement, HHMI has agreed to assign to Institution HHMI's rights in Subject Property (as defined in the Agreement), in accordance with and subject to the conditions of the Agreement; and

WHEREAS, research conducted pursuant to the Agreement by Kenneth M. Murphy, MD, PhD while employed by HHMI at Institution has resulted in an invention entitled "**Anti-BTLA treatment prevents graft-vs-host disease by expanding CD4+ FoxP3+ T regulatory T cells**" (the "Invention"), and the Invention is a Subject Property;

NOW, THEREFORE, in consideration of the promises contained in and the acts performed and to be performed pursuant to the Agreement, HHMI hereby assigns to Institution the entire right, title, and interest that HHMI has in the Invention, in accordance with and subject to the terms and conditions of the Agreement.

Executed: June 20, 2024

HOWARD HUGHES MEDICAL INSTITUTE



By:

Leslie B. Vosshall, PhD
Vice President and Chief Scientific Officer

ATTESTED:



Heidi E. Henning
Vice President and General Counsel

WUSTL 009478
HHMI 08805

CONFIRMATION OF ASSIGNMENT

Confirmation of Assignment made JUNE 20, 2024, by Kenneth M. Murphy, MD, PhD (“Inventor”) to the Howard Hughes Medical Institute (“HHMI”), a Delaware corporation.

Recitals

WHEREAS, Inventor was an employee of HHMI and, as a condition of his employment, has signed the Intellectual Property Assignment Agreement (the “Intellectual Property Agreement”);

WHEREAS, pursuant to the Intellectual Property Agreement, Inventor (a) assigned to HHMI all rights he had in any intellectual property resulting from research by HHMI employees, alone or with others, whether or not patentable or copyrightable, and whether funded in whole or in part by HHMI (each a “Subject Property”) and (b) agreed to execute any agreements that may be desired by HHMI in connection with such assignment;

WHEREAS, Inventor has, alone or with others invented “**Anti-BTLA treatment prevents graft-vs-host disease by expanding CD4+ FoxP3+ T regulatory T cells**” which may be the subject of a patent application (the “Invention”), and the Invention is a Subject Property; and

WHEREAS, Inventor seeks to confirm the assignment of his interest in the Invention to HHMI, and HHMI desires the execution of a confirmatory assignment of all of Inventor’s right, title, and interest in the Invention.

NOW, THEREFORE, in consideration of the promises contained in and the acts performed and to be performed pursuant to the Intellectual Property Agreement and of other good and valuable consideration, the receipt of which is hereby acknowledged by Inventor, Inventor agrees as follows:

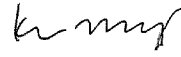
1. Assignment. Inventor hereby confirms the assignment to HHMI of his entire right, title, and interest in the Invention; any United States patent applications and all corresponding foreign patent applications which are directed to the Invention and any and all patents issued therefrom; all United States or foreign division and continuation applications based on any of the foregoing, and any and all patents issued therefrom; and all claims which are directed to the Invention and which may be contained in continuation-in-part applications or in patents which issue therefrom.

2. Cooperation. Inventor further confirms that Inventor agreed to execute upon request such further confirmatory assignments, documents, and other instruments as may be requested by HHMI in connection with the Invention and to assist HHMI (or others at the direction of HHMI) in applying for, obtaining, and enforcing patents, copyrights, or other rights in the United States and in any foreign country with respect to the Invention.

3. Parties. The terms and provisions of the Assignment shall inure to the benefit of HHMI and its successors and assigns and shall be binding on the Inventor and his heirs, personal representatives, successors and assigns.

4. Warranty. Inventor warrants and represents that he has not entered into any assignment, contract, or understanding in conflict herewith.

Inventor:



Kenneth M. Murphy, MD, PhD