

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	RONALD M. EVANS	05/20/2014
RECEIVING PARTY DATA		
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PROPERTY NUMBERS Total: 1		
	Property Type	Number
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DATE SIGNED:	11/08/2017	
Total Attachments: 4		
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ASSIGNMENT

This Assignment is from **Ronald M. Evans** residing at 1471 Cottontail Lane, La Jolla, California 92037, (hereinafter referred to as the "Inventor") to the **Howard Hughes Medical Institute**, a Delaware corporation (the "Institute"), having a place of business at 4000 Jones Bridge Road, Chevy Chase, MD 20815-6789.

Recitals

WHEREAS, Inventor is an employee of the Institute and, as a condition of his employment, has signed the Agreement appended to the Institute's Statement of Policy on Intellectual Property (the "Intellectual Property Agreement");

WHEREAS, pursuant to the Intellectual Property Agreement, Inventor has agreed (a) to assign to the Institute all rights they may acquire in any invention, discovery, improvement, or other intellectual property, whether or not patentable or copyrightable, developed directly or indirectly as a result of a program of research financed by Institute funds or by funds under the control of the Institute (each a "Subject Property") and (b) to execute any agreements that may be desired by the Institute in connection with such assignment;

WHEREAS, Inventor has, with others, invented VITAMIN D RECEPTOR/SMAD GENOMIC CIRCUIT GATES FIBROTIC RESPONSE, set forth in:

U.S. Provisional Patent Application No. 61/815,575, filed on April 24, 2013, entitled "VITAMIN D RECEPTOR/SMAD GENOMIC CIRCUIT GATES HEPATIC FIBROTIC RESPONSE"; and

PCT Patent Application No. PCT/US2014/035235, filed on April 24, 2014, entitled "VITAMIN D RECEPTOR/SMAD GENOMIC CIRCUIT GATES FIBROTIC RESPONSE"

(the "Invention"), and the Invention is a Subject Property; and

WHEREAS, Inventor seeks to make a formal assignment of his interest in the Invention to the Institute, and the Institute desires the execution of a formal assignment of all of Inventor 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 assigns to the Institute 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, any and all patents issued therefrom; all United States or foreign division and continuation applications based on any of the foregoing applications, and any and all patents issued therefrom; and reissues or extensions of any such patents; 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 agrees to execute upon request such further assignments, documents, and other instruments as may be necessary or desirable to assign Inventor's entire right, title and interest in the Invention to the Institute and to assist the Institute (or others at the direction of the Institute) 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 this Assignment shall inure to the benefit of the Institute and its successors and assigns and shall be binding on the Inventor and his heirs, personal representatives and assigns.

4. Warranty. Inventor warrants and represents that he has not entered into any assignment, contract, or understanding in conflict herewith, and that there is no other person or entity whose consent is required in order for the Inventor to make the assignment contained herein.

Date: 5/20/14

Inventor: Ronald M. Evans
RONALD M. EVANS

Witnessed by: Name Constance Mueller
Please Print or Type Name

Signature: [Signature]

APPOINTMENT OF INVESTIGATOR AS AGENT

Appointment by the HOWARD HUGHES MEDICAL INSTITUTE (the "Institute") of RONALD M. EVANS, Ph.D., employee of the Institute, as its agent for the purpose of assigning certain rights to the SALK INSTITUTE FOR BIOLOGICAL STUDIES ("Salk").

WHEREAS, the Institute and Salk collaborate in the active conduct of medical research pursuant to an Agreement between them dated as of January 1, 1990 (the "Agreement");

WHEREAS, pursuant to the Agreement, the Institute has agreed to assign to Salk the Institute's rights with respect to inventions, discoveries, improvements, and other intellectual property, whether patentable or copyrightable (each a "Subject Property"), conceived or reduced to practice in the course of the research program conducted under the Agreement by employees of the Institute;

WHEREAS, research conducted pursuant to the Agreement by RONALD M. EVANS, PhD. while employed by the Institute at Salk has resulted in the invention of a certain Subject Property set forth in

U.S. Provisional Patent Application No. 61/815,575, filed on April 24, 2013, entitled "VITAMIN D RECEPTOR/SMAD GENOMIC CIRCUIT GATES HEPATIC FIBROTIC RESPONSE"; and

PCT Patent Application No. PCT/US2014/035235, filed on April 24, 2014, entitled "VITAMIN D RECEPTOR/SMAD GENOMIC CIRCUIT GATES FIBROTIC RESPONSE",

WHEREAS, the Institute wishes RONALD M. EVANS, Ph.D. to act as its agent for the purpose of assigning to Salk the rights the Institute has in the Invention by reason of the research program conducted at Salk,

NOW, THEREFORE, the Institute hereby appoints RONALD M. EVANS, Ph.D. as its agent for the purpose of assigning the rights the Institute has or may acquire in the Invention by reason of the research program conducted at Salk to Salk in accordance with and subject to the conditions of the Agreement.

Executed 6/23/14

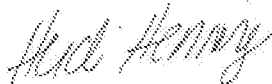
HOWARD HUGHES MEDICAL INSTITUTE



By: Erin K. O'Shea

Title: Vice President and
Chief Scientific Officer

ATTESTED:



By: Heidi E. Henning

Title: Vice President and
General Counsel