

## PATENT ASSIGNMENT

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:	ASSIGNMENT				
CONVEYING PARTY DATA					
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Phillip David Zamore</td> <td>10/01/2010</td> </tr> </tbody> </table>		Name	Execution Date	Phillip David Zamore	10/01/2010
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Phillip David Zamore	10/01/2010				
RECEIVING PARTY DATA					
Name:	Howard Hughes Medical Institute				
Street Address:	20 Shattuck Street				
City:	Boston				
State/Country:	MASSACHUSETTS				
Postal Code:	02115				
PROPERTY NUMBERS Total: 1					
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US2011033628</td> </tr> </tbody> </table>		Property Type	Number	PCT Number:	US2011033628
Property Type	Number				
PCT Number:	US2011033628				
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ATTORNEY DOCKET NUMBER:	U0120.70047WO00				
NAME OF SUBMITTER:	Daniel W. Young				
Total Attachments: 2 source=U0120.70047WO00 - Assignment - Zamore - HHMI#page1.tif source=U0120.70047WO00 - Assignment - Zamore - HHMI#page2.tif					

CH \$40.00 US2011033628

ASSIGNMENT

Assignment made October 1, 2014 by Phillip David Zamore, PhD  
("Inventor") to the Howard Hughes Medical Institute, a Delaware corporation ("HHMI").

Recitals

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

WHEREAS, pursuant to the Intellectual Property Agreement, Inventor has agreed (a) to assign to HHMI all rights he 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 HHMI funds or funds under the control of HHMI (each a "Subject Property") and (b) to execute any agreements that may be desired by HHMI in connection with such assignment;

WHEREAS, Inventor has, alone or with others invented "AAV-Based Treatment of Cholesterol-Related Disorders" which may be the subject of a patent application (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 HHMI, and HHMI desires the execution of a formal assignment of all of Inventor's right, title, and interest in the Invention.

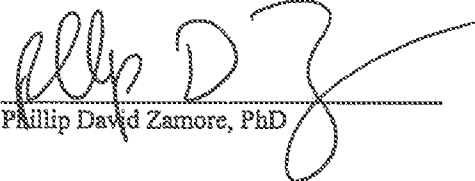
NOW, THEREFORE, in consideration of the promises contained in and the acts performed and to be performed pursuant to the Intellectual Property Agreement and of other good and valuable consideration, the receipt of which is hereby acknowledged by Inventor, Inventor agrees as follows:

1. Assignment. Inventor hereby assigns to HHMI 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 (including, without limitation, the patent application entitled "AAV-Based Treatment of Cholesterol-Related Disorders" filed in the United States Patent and Trademark Office on April 23, 2010 with Serial Number 61/327,383), 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 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 HHMI 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 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.


Inventor:   
Phillip David Zamore, PhD

Commonwealth of Massachusetts

County of Worcester

Then personally appeared before me the above-named Phillip David Zamore, PhD and acknowledged that he executed the foregoing instrument in his authorized capacity this 1 day of October, 2010.

(SEAL)

Notary Public:   
Karen P Welch  
(print name)

My Commission Expires: May 5, 2011

UMMC 10-37  
HHMI 04645

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