

**PATENT ASSIGNMENT**

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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>
David Ginsburg	01/06/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HOWARD HUGHES MEDICAL INSTITUTE
<b>Street Address:</b>	4000 Jones Bridge Road
<b>City:</b>	Chevy Chase
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20815-6789
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	12691286
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(608)662-1276
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	608-662-1277
<b>Email:</b>	kmheck@casimirjones.com
<b>Correspondent Name:</b>	Casimir Jones, S.C.
<b>Address Line 1:</b>	2275 Deming Way
<b>Address Line 2:</b>	Suite 310
<b>Address Line 4:</b>	Middleton, WISCONSIN 53562
<b>ATTORNEY DOCKET NUMBER:</b>	UM - 30787/US-2/ORD
<b>NAME OF SUBMITTER:</b>	Tanya A. Arenson
<b>Total Attachments: 2</b>	
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## ASSIGNMENT

Assignment made January 6, 2009 by David Ginsburg, MD  
("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 "Antimicrobial Agents for Treatment of Group A Streptococcus (GAS)" 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 State 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 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: David Ginsburg  
David Ginsburg, MD

State of Michigan

County of Washtenaw

Then personally appeared before me the above-named David Ginsburg, MD and acknowledged that he executed the foregoing instrument in his authorized capacity this 6 day of January, 2009

(SEAL)

Notary Public: Jennifer R. Labadie  
Jennifer Labadie  
(print name)

My Commission Expires: 1/25/14

UM 4264  
HHMI 04100

