

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5424423

<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 J. ANDERSON	10/29/2018
HOWARD HUGHES MEDICAL INSTITUTE	10/29/2018
<b>RECEIVING PARTY DATA</b>	
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<b>Postal Code:</b>	91125
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16178460
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	CALTE.134A
<b>NAME OF SUBMITTER:</b>	SCOTT SIERA
<b>SIGNATURE:</b>	/Scott Siera/
<b>DATE SIGNED:</b>	03/15/2019
<b>Total Attachments: 2</b>	
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source=Signed Assignment (Anderson and HHMI to Caltech)-CALTE.134A#page2.tif	

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### ASSIGNMENT

WHEREAS, David J. Anderson, residing at Altadena, CA (an individual, hereinafter "ASSIGNOR"), invented certain new and useful improvements, technology, inventions, developments, ideas, ornamental design or discoveries related to NOVEL USES OF TACHYKININ RECEPTOR ANTAGONISTS (collectively hereinafter referred to as the "Work") for which an application for Letters Patent in the United States (identified above) has been filed with the United States Patent and Trademark Office (hereinafter the "Application");

WHEREAS, the Howard Hughes Medical Institute, a Delaware Corporation, having offices at 4000 Jones Bridge Road, Chevy Chase, MD, 20815 (hereinafter "HHMI") represents and warrants that it is the sole assignee of David J. Anderson's entire right, title, and interest in the Application, and any and all patents issued therefrom; all United States or foreign divisional and continuation applications based on the foregoing, and any and all patents issued therefrom; and all claims which are directed to U.S. Provisional Application No. 62/580834 and which may be contained in continuation-in-part application or in patents which issue therefrom, and the invention of "Novel Uses of Tachykinin Receptors" (collectively referred to as the "'834 Invention");

WHEREAS, California Institute of Technology, a Corporation, having an address at 1200 E. California Boulevard, MC 6-32, Pasadena, CA 91125 (hereinafter the "ASSIGNEE"), desires to acquire the entire right, title, and interest in and to the Work and the '834 Invention (including the Application);

AND WHEREAS HHMI has appointed David J. Anderson as its agent for the purposes of assigning its rights in the '834 Invention to ASSIGNEE;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNOR and HHMI hereby acknowledge that ASSIGNOR and HHMI have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Work and the '834 Invention, including all provisional applications relating thereto (including but not limited to U.S. Provisional Application No. 62/580834, filed November 2, 2017), and all nonprovisional applications claiming priority thereto, including, all divisions, continuations, continuations-in-part, reissues, and reexaminations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and any related Letters Patent which may hereafter be granted or filed in any country or countries foreign to the United States, all extensions, renewals and reissues thereof; and ASSIGNOR and HHMI hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all related Letters Patent to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR AND HHMI DO HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of said Letters Patent before or after issuance.

AND ASSIGNOR AND HHMI DO HEREBY covenant and agree that ASSIGNOR and HHMI will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR and/or HHMI respecting the Work and the '834 Invention (including the Application), and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Work, and the '834 Invention (including the Application), or any improvements made thereto, sign all lawful papers, authorize the filing of and execute and make all rightful oaths and/or declarations in connection with the Work and the '834 Invention (including the Application) including any improvements made thereto, any patent applications filed therefrom, and any continuing application filed from any of the aforementioned applications, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work and the '834 Invention in all countries.

**Legal Name of inventor:** David J. Anderson, for himself, and as agent for the Howard Hughes Medical Institute (HHMI)

Signature:

 Date: 10/29/18

*Signature before a Notary is desirable but not required.  
When Signed in the presence of a Notary, please attach the  
appropriate notarial documentation.*

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