

PATENT ASSIGNMENT

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Samuel C. Dudley Jr. | 11/03/2008 |
| RECEIVING PARTY DATA | |
| Name: | The United States of America as represented by The Department of Veterans Affairs |
| Street Address: | 810 Vermont Avenue, N.W. |
| Internal Address: | Technology Transfer Program, Office of Research and Development |
| City: | Washington |
| State/Country: | DISTRICT OF COLUMBIA |
| Postal Code: | 20420 |
| Name: | Emory University |
| Street Address: | 1599 Clifton Road, N.E., 4th Floor |
| Internal Address: | Office of Technology Transfer |
| City: | Atlanta |
| State/Country: | GEORGIA |
| Postal Code: | 30322 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12289005 |
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NAME OF SUBMITTER:

Minh-Quan K. Pham, PhD

Total Attachments: 3

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A S S I G N M E N T

THIS ASSIGNMENT, made on the date set forth below by Samuel C. DUDLEY, Jr. (hereinafter referred to as the assignor), residing at 25 E. Superior Street, No. 606, Chicago, IL 60611, witnesseth:

WHEREAS, said Assignor owns the entire right, title, and interest in certain new and useful improvements in MODULATION OF SODIUM CHANNELS BY NICOTINAMIDE ADENINE DINUCLEOTIDE set forth in an application for Letters Patent of the United States as U.S. Serial No. 12/289,005 filed October 17, 2008; and

WHEREAS, The United States of America as represented by The Department of Veterans Affairs, whose post office address is Technology Transfer Program Office of Research and Development, 810 Vermont Avenue, N.W., Washington D.C. 20420, and Emory University, whose post office address is Office of Technology Transfer, 1599 Clifton Road, N.E., 4th Floor, Atlanta, GA 30322, are desirous of acquiring the entire right, title and interest in and to said inventions and said application for Letters Patent of the United States, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the said Assignor have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto the Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions, application for Letters Patent, and any and all Letters Patent or Patents in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and

all divisions, continuations, and continuations-in-part of said application, or reissues or extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the said Assignees, for its own use and behoof and the use and behoof of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor, had this sale and assignment not been made.

AND for the same consideration, the said Assignor hereby covenant and agree to and with the said Assignees, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, the said Assignor are the sole and lawful owner of the entire right, title and interest in and to the said inventions and the application for Letters Patent above-mentioned, and that the same are unencumbered and that the said Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, the said Assignor hereby covenant and agree to and with the said Assignees, its successors, legal representatives and assigns, that the said Assignor will, whenever counsel of the said Assignees or the counsel of its successors, legal representatives and assigns, shall advise that any proceeding in connection with said inventions, or said application for Letters Patent, or any proceeding in connection with Letters Patent for said inventions in any country, including interference proceedings, is lawful and desirable, that any division, continuation or continuation-in-part of any application for Letters Patent, or reissue or extension of any Letters Patent, to be obtained thereon, is lawful and desirable, sign

all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of Letters Patent for said inventions, without charge to the said Assignor, their successors, legal representatives and assigns, but at the cost and expense of the said Assignees, its successors, legal representatives and assigns.

AND said Assignor hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to the said Assignees, as the Assignees of said inventions and the Letters Patent to be issued thereon for the sole use and behoof of the said Assignees, its successors, legal representatives and assigns.

The undersigned hereby grant the firm of Blank Rome LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 11/3/08 [Signature]
Samuel C. DUDLEY, Jr.

STATE OF Illinois
COUNTY OF Cook

On this 3 day of November 2008, personally before me came Samuel C. DUDLEY, JR., known to me, and known to me to be the person described in and who signed the annexed Assignment, and being duly sworn, acknowledged that they executed the same.

NOTARY PUBLIC [Signature]

My Commission Expires: 10/01/2009

