PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT |
|-----------------------|----------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT |

CONVEYING PARTY DATA

| Name | Execution Date |
|-------------------|----------------|
| Josephine M. Egan | 06/05/2007 |
| Maire E. Doyle | 06/07/2007 |

RECEIVING PARTY DATA

| Name: | The Government of the United States, as represented by the Secretary, Department of Health and Human Services | |
|-------------------|---|--|
| Street Address: | 6011 Executive Boulevard Suite 325 | |
| Internal Address: | c/o National Institute of Health, Office of Technology Transfer | |
| City: | Rockville | |
| State/Country: | MARYLAND | |
| Postal Code: | 20852 | |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11658189 |

CORRESPONDENCE DATA

Fax Number: (678)420-9301

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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Address Line 4: Atlanta, GEORGIA 30309

ATTORNEY DOCKET NUMBER: 14014.0422U2

NAME OF SUBMITTER: Christopher L. Curfman, JD, PhD

Total Attachments: 3

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PATENT REEL: 019542 FRAME: 0771

ASSIGNMENT

WHEREAS, we, Josephine M. Egan and Máire E. Doyle, employees of the Department of Health and Human Services, have invented "USES OF NOTCH RECEPTORS, NOTCH LIGANDS, AND NOTCH MODULATORS IN METHODS RELATED TO METABOLIC DISEASES," for which an international patent application was filed on July 22, 2005, and assigned International Application No. PCT/US2005/026267, which subsequently entered the national phase of prosecution in the United States on January 22, 2007, and assigned U.S. Application No. 11/658,189, and claims priority to U.S. Provisional Application No. 60/590,281, filed July 22, 2004, and

WHEREAS, we are the applicants named in the above-identified application; and

WHEREAS, the conditions under which said invention was made are such as to entitle THE UNITED STATES OF AMERICA [hereinafter THE GOVERNMENT] under Paragraph 1(a) of Executive Order 10096 to the entire right, title, and interest herein, both domestic and foreign; and

WHEREAS, THE GOVERNMENT is desirous of acquiring all domestic and foreign right, title, and interest in the above-mentioned invention described in the application for Letters Patent; and

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we hereby assign and transfer to THE GOVERNMENT, as represented by the Secretary, Department of Health and Human Services, the full and exclusive rights in and to said invention in the United States and within each and every foreign country in which THE GOVERNMENT elects to file and the entire right, title, and interest in and to such application, and any subsequent application claiming priority to the above-identified application under 35 U.S.C. § 119(e), continuation, continuation-in-

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We further agree to make, execute, and deliver to **THE** GOVERNMENT, as represented by the Secretary, Department of Health and Human Services, upon request, any and all papers, documents, affidavits, or other instruments that may be necessary in the prosecution of any application or applications for improvements or reissues of Letters Patent, and to assist **THE GOVERNMENT** in every way as may be requested in protecting said invention, provided that any expense of extending such assistance shall be paid by **THE GOVERNMENT**.

| IN WITNESS WHEREOF, I have executed this Assignment this day of, 2007. |
|---|
| Josephine M. Egan (L.S.) |
| State of |
| County of Baltimore |
| On this |
| Notary Public My Commission Expires: 12/1/20/0 |
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| IN WITNESS WHEREOF, I have | e executed this Assignment this | | |
|--|--|--|--|
| day of $June$, 2007. | | | |
| | Maire E. Doyle (L.S.) | | |
| State of FLORIDA | _ | | |
| County of ALACHUA | | | |
| On this day of, 2007, before me, a Notary Public, came Máire E. Doyle, to me known and known to be the individual described in and who executed the foregoing assignment, and he/she duly acknowledged the same to be his/her free act and deed. | | | |
| Charle Skale | KAREN E. HYDE MY COMMISSION # DD 412631 EXPIRES: March 30, 2009 Bonded Thru Notary Public Underwriters | | |
| Notary Public | | | |
| My Commission Expires: Mace | 30, 2009 | | |

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PATENT RECORDED: 07/11/2007 REEL: 019542 FRAME: 0774