503291883 05/04/2015

PATENT ASSIGNMENT COVER SHEET

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

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| EDWARD V. QUADROS | 07/12/2012 |
| JEFFREY M. SEQUEIRA | 07/17/2012 |

RECEIVING PARTY DATA

| Name: | THE RESEARCH FOUNDATION OF STATE UNIVERSITY OF NEW YORK |
|-----------------|---|
| Street Address: | 35 STATE STREET ALBANY |
| City: | NEW YORK |
| State/Country: | NEW YORK |
| Postal Code: | 12207-2826 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 13554780 |

CORRESPONDENCE DATA

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Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

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Address Line 4: WASHINGTON, D.C. 20004

| ATTORNEY DOCKET NUMBER: | KYIP-021/02US |
|-------------------------|--------------------|
| NAME OF SUBMITTER: | CAROL D. LAHERTY |
| SIGNATURE: | /Carol D. Laherty/ |
| DATE SIGNED: | 05/04/2015 |

Total Attachments: 3

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PATENT 503291883 REEL: 035559 FRAME: 0952

ASSIGNMENT

WHEREAS, we,

| Name | Post Office Address | |
|---------------------|--|-------|
| Edward V. Quadros | 232 76 th Street, Brooklyn, New York 11209 USA | ; and |
| Jeffrey M. Sequeira | 2360 – 62 nd Street, Brooklyn, New York 11204 USA | ; |

(hereinafter referred to as ASSIGNORS), having addresses as listed above next to our names, are the joint inventors of an invention entitled "ANTIBODIES TO THE B12-TRANSCOBALAMIN RECEPTOR," as described and claimed in the specifications of U.S. Provisional Patent Application No. 61/536,361 and PCT International Application No. PCT/US2011/052154, both of which were filed on September 19, 2011; and

WHEREAS, said PCT application claims priority to U.S. Provisional Patent Application No. 61/510,889, filed July 22, 2011; and

WHEREAS, The Research Foundation of State University of New York (hereinafter referred to as ASSIGNEE), having a mailing address of 35 State Street, Albany, New York, 12207-2826, USA, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patents that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE the entire right, title and interest in and to said invention, said three applications and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions including any extensions or adjustments in term thereof and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States applications to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, applications and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby

PATENT REEL: 035559 FRAME: 0953 authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patents on said invention, for litigation regarding letters patents, or for the purpose of protecting title to said invention or letters patents therefor.

This Assignment is effective as of July 03, 2012.

| 7/12/12 | - XXXXII |
|---------|-------------------|
| Date / | Edward V. Quadros |
| | |

State of / County of / Ss.

County of / Ss.

Light that I know or have satisfactory evidence that Edward V.

I certify that I know or have satisfactory evidence that **Edward V. Quadros** is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

| Dated 07 | ha-120 10 | | |
|----------------------------|-----------|-------|--|
| Signature of Notary Public | TO LO | heals | |
| Printed Name | | | |
| My appointment | expires | | |

ROBIN P. NESBY
Notary Public, State of New York
No. 24-4792334
Qualified in Kings County
Commission Expires March 30, 20

| $\frac{7}{\text{Date}} \frac{12}{\text{Date}}$ | Jeffrey Sequeira |
|---|--|
| State of New York County of Kings | SS. |
| person who appeared before | know or have satisfactory evidence that Jeffrey M. Sequeira is the me, and said person acknowledged that he signed this instrument is free and voluntary act for the uses and purposes mentioned in the |
| DORLA ANGLIN Notary Public, State of New York No. 01AN4960563 Qualified in Nassau County Cert. Filed in Kings County Commission Expires | Dated |

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