

PATENT ASSIGNMENT COVER SHEET

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| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | | | |
|---|---|---------------|---|-----------------|--------------------------------|---------------|------------|----------------|------------|----------------|------------|-------------------|------------|-----------------|------------|----------------|------------|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>DALIBOR SAMES</td> <td>08/19/2013</td> </tr> <tr> <td>XIAO GUANG LI</td> <td>08/19/2013</td> </tr> <tr> <td>SHU LI</td> <td>08/19/2013</td> </tr> <tr> <td>ANDREW KRUEGEL</td> <td>08/19/2013</td> </tr> <tr> <td>RICHARD KARPOWICZ</td> <td>08/19/2013</td> </tr> <tr> <td>IGNACIO CARRERA</td> <td>09/11/2012</td> </tr> <tr> <td>SOUVIK RAKSHIT</td> <td>08/20/2013</td> </tr> </tbody> </table> | | Name | Execution Date | DALIBOR SAMES | 08/19/2013 | XIAO GUANG LI | 08/19/2013 | SHU LI | 08/19/2013 | ANDREW KRUEGEL | 08/19/2013 | RICHARD KARPOWICZ | 08/19/2013 | IGNACIO CARRERA | 09/11/2012 | SOUVIK RAKSHIT | 08/20/2013 |
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| DALIBOR SAMES | 08/19/2013 | | | | | | | | | | | | | | | | |
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| <table border="1"> <tr> <td>Name:</td> <td>THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK</td> </tr> <tr> <td>Street Address:</td> <td>WEST 116TH STREET AND BROADWAY</td> </tr> <tr> <td>City:</td> <td>NEW YORK</td> </tr> <tr> <td>State/Country:</td> <td>NEW YORK</td> </tr> <tr> <td>Postal Code:</td> <td>10027</td> </tr> </table> | | Name: | THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK | Street Address: | WEST 116TH STREET AND BROADWAY | City: | NEW YORK | State/Country: | NEW YORK | Postal Code: | 10027 | | | | | | |
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| Postal Code: | 10027 | | | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>PCT Number:</td> <td>US2012052327</td> </tr> </tbody> </table> | | Property Type | Number | PCT Number: | US2012052327 | | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | | | |
| PCT Number: | US2012052327 | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | | | |
| Fax Number: | (212)391-0525 | | | | | | | | | | | | | | | | |
| Phone: | 2122780400 | | | | | | | | | | | | | | | | |
| Email: | jwhite@cooperdunham.com | | | | | | | | | | | | | | | | |
| <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> | | | | | | | | | | | | | | | | | |
| Correspondent Name: | COOPER & DUNHAM LLP | | | | | | | | | | | | | | | | |
| Address Line 1: | 30 ROCKEFELLER PLAZA | | | | | | | | | | | | | | | | |
| Address Line 4: | NEW YORK, NEW YORK 10112 | | | | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 0575-82143-A-PCT/JPW/VA | | | | | | | | | | | | | | | | |

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| NAME OF SUBMITTER: | ALISSA M. ROLAND |
| Signature: | 0575-82143-A-PCT/AMR/for John P. White |
| Date: | 12/09/2013 |
| Total Attachments: 8 source=131209_0575_82143_A_PCT_Assignment to Columbia#page1.tif source=131209_0575_82143_A_PCT_Assignment to Columbia#page2.tif source=131209_0575_82143_A_PCT_Assignment to Columbia#page3.tif source=131209_0575_82143_A_PCT_Assignment to Columbia#page4.tif source=131209_0575_82143_A_PCT_Assignment to Columbia#page5.tif source=131209_0575_82143_A_PCT_Assignment to Columbia#page6.tif source=131209_0575_82143_A_PCT_Assignment to Columbia#page7.tif source=131209_0575_82143_A_PCT_Assignment to Columbia#page8.tif | |

ASSIGNMENT OF PCT INTERNATIONAL APPLICATION

In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, we, the undersigned,

Dalibor Sames of 560 Riverside Drive, Apt. 16H, New York, New York 10027, United States of America;

Xiaoguang Li of 1023 Frontage Road, Apt. 3, Osceola, Wisconsin 54020, United States of America;

Shu Li of 1023 Frontage Road, Apt. 3, Osceola, Wisconsin 54020, United States of America;

Andrew Kruegel of ~~212 West 82nd Street, Apt. 4C, New York, New York 10024, United States of America,~~ 237 E 28th St, Apt 4C A.R. 8/19/13

Richard Karpowicz of ~~435 West 119th Street, Apt. 10B, New York, New York 10027, United States of America,~~ 400 West 119th St Apt 2J JOK 8/19/13

Ignacio Carrera of Ing. Garcia de Zuffiga 2245, Apt. 2405, C.P. 11300, Montevideo - Uruguay, South America; and

Souvik Rakshit of 435 West 119th Street, Apt. 4E, New York, New York 10027, United States of America,

Hereby sell, assign and transfer to The Trustees of Columbia University in the City of New York, an not for profit corporation of the State of New York, having a place of business at West 116th Street and Broadway, in the County of New York and State of New York 10027, its successors, assigns and legal representatives, the entire right, title and interest for all countries, in and to any and all inventions which are disclosed and claimed, and any and all inventions which are disclosed but not claimed, in the PCT International Application, which has been filed on August 24, 2012 and is entitled

SMALL MOLECULE INDUCERS OF GDNF AS POTENTIAL NEW THERAPEUTICS FOR NEUROPSYCHIATRIC DISORDERS

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In consideration of One Dollar (\$1.00), and other good and valuable considerations, the receipt of which is hereby acknowledged, we, the undersigned,

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Souvik Rakshit of 435 West 119th Street, Apt. 4E, New York, New York 10027, United States of America,

1209 E. Florida Ave., Apt-A 23, Urbana, IL-61801, USA.

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(PCT International Application No. PCT/US2012/052327, filed August 24, 2012, claiming priority of U.S. Provisional Application No. 61/526,839, filed August 24, 2011)

and in and to said PCT International Application and all divisional, continuing, substitute, renewal, reissue, and all other applications for U.S. Letters Patent or other related property rights in any and all foreign countries which have been or shall be filed on any of said inventions disclosed in said PCT International Application; and in and to all original and reissued patents or related foreign documents which have been or shall be issued on said inventions;

Agree that said Assignee may apply for and receive U.S. and foreign Letters Patent or rights of any other kind for said inventions, or any of them; and may claim, in applications for said U.S. and foreign Letters Patent or other rights, the priority of the aforesaid PCT International Application under the provisions of the International Convention of 1883 and later modifications thereof, under the European Patent Convention or under any other available international agreement; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned or the undersigned's executors or administrators will, for the United States and all foreign countries, execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications or other documents on any and all said inventions; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its successors, assigns and representatives, all facts known and documents available to the undersigned relating to said inventions and the history thereof; testify in all legal proceedings; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing,

JPW Rev. May 1, 2007

maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 08/19/2013
 Witness: [Signature] [signature]
Richard J. Kalpoukz Jr [printed name]
400 West 119th St Apt 2J [address]
New York, NY 10027

[Signature] [LS]
 Dalibor Sames

Date: _____
 Witness: _____ [signature]
 _____ [printed name]
 _____ [address]

 Xiaoguang Li

Date: _____
 Witness: _____ [signature]
 _____ [printed name]
 _____ [address]

 Shu Li

Page 3

maintaining and enforcing proper patent protection for said inventions and for vesting title to said inventions and all applications for patents or related foreign rights and all patents on said inventions, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: _____
 Witness: _____ (signature)
 _____ (printed name)
 _____ (address)

 Dalibor Sames [L.S.]

Date: 08-19-2013
 Witness: SL (signature)
Shu Li (printed name)
3060 Lowell Court (address)
Stillwater, MN 55082

Xiaoguang Li [L.S.]

Date: 08-19-2013
 Witness: SL (signature)
XIAOGUANG LI (printed name)
3060 Lowell Court (address)
Stillwater, MN 55082

Shu Li [L.S.]

JPN Rev. May 1, 2007

Date: 8/19/13
 Witness: [Signature] [signature]
DALIBOR SAMEŠ [printed name]
560 Riverside Dr. 16H [address]
NEW YORK, NY 10027

[Signature] [LS]
 Andrew Kruegel

Date: 8/19/2013
 Witness: [Signature] [signature]
DALIBOR SAMEŠ [printed name]
560 Riverside Drive 16H [address]
New York, NY 10027

[Signature] [LS]
 Richard Karpowicz

Date: _____
 Witness: _____ [signature]
 _____ [printed name]
 _____ [address]

 Ignacio Carrera [LS]

Date: _____
 Witness: _____ [signature]
 _____ [printed name]
 _____ [address]


 Souvik Rakshit [LS]

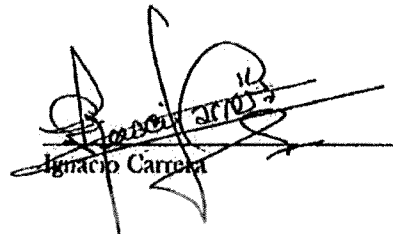
Date: _____
Witness: _____ (signature)
_____ (printed name)
_____ (address)

Andrew Kruegel (LS)

Date: _____
Witness: _____ (signature)
_____ (printed name)
_____ (address)

Richard Karpowicz (LS)

Date: 11/09/2012
Witness:  (signature)
RODRIGO ACHUGAR (printed name)
SRIANO 967/402 (address)
MONTEVIDEO - URUGUAY

 (LS)
Ignacio Carretero

Date: _____
Witness: _____ (signature)
_____ (printed name)
_____ (address)

Souvik Rakshit (LS)

Date: _____
Witness: _____ (signature)
_____ (printed name)
_____ (address)

Andrew Kruegel [L.S.]

Date: _____
Witness: _____ (signature)
_____ (printed name)
_____ (address)

Richard Karpowicz [L.S.]

Date: _____
Witness: _____ (signature)
_____ (printed name)
_____ (address)

Ignacio Carrera [L.S.]

Date: 08/20/13
Witness: PXlegok (signature)
NAGARTUNA PALUAM (printed name)
2064 S ORCHARD ST. 13 (address)
URBANA IL - 61801

Souvik Rakshit
Souvik Rakshit [L.S.]