# 503955679 08/11/2016

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4002335

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
KIMBERLY VANOVER	08/04/2016
PENG LI	05/18/2016
SHARON MATES	05/17/2016
ROBERT DAVIS	04/27/2016
LAWRENCE WENNOGLE	05/17/2016

## **RECEIVING PARTY DATA**

Name:	INTRA-CELLULAR THERAPIES, INC.
Street Address:	430 EAST 29TH STREET
Internal Address:	SUITE 900
City:	NEW YORK
State/Country:	NEW YORK
Postal Code:	10016

## **PROPERTY NUMBERS Total: 1**

Property Type	Number
PCT Number:	US2014068443

# **CORRESPONDENCE DATA**

**Fax Number:** (973)912-5236

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.

Phone: (973)912-5232 Email: file@hoxpat.com

Correspondent Name: HOXIE & ASSOCIATES LLC

Address Line 1: 75 MAIN STREET

Address Line 2: SUITE 203

Address Line 4: MILLBURN, NEW JERSEY 07041

ATTORNEY DOCKET NUMBER: IT-88-PCT, IT-88-US

NAME OF SUBMITTER: MARYA K. JONES

SIGNATURE: /Marya K. Jones/

DATE SIGNED: 08/11/2016

PATENT 503955679 REEL: 039402 FRAME: 0951

# **Total Attachments: 15** source=Executed\_Assignment#page1.tif source=Executed\_Assignment#page2.tif source=Executed\_Assignment#page3.tif source=Executed\_Assignment#page4.tif source=Executed\_Assignment#page5.tif source=Executed\_Assignment#page6.tif source=Executed\_Assignment#page7.tif source=Executed\_Assignment#page8.tif source=Executed\_Assignment#page9.tif source=Executed\_Assignment#page10.tif source=Executed\_Assignment#page11.tif source=Executed\_Assignment#page12.tif source=Executed\_Assignment#page13.tif source=Executed\_Assignment#page14.tif source=Executed\_Assignment#page15.tif

# ASSIGNMENT

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as Assignor(s)) have made an invention entitled:

## NOVEL METHODS

for which I/We filed a patent application as International Application No. PCT/US2014/068443 on December 3, 2014 which claims priority to U.S. Provisional Application Nos. 62/032,326 filed August 1, 2014; 61/975,702 filed April 4, 2014; 61/925,607 filed January 9, 2014; and 61/911,416 filed December 3, 2013, and

WHEREAS, Intra-Cellular Therapies, Inc., a corporation of Delaware, whose post office address is 430 East 29<sup>th</sup> Street, Suite 900, New York, NY 10016 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the applications for Letters Patent on this invention and the Letters Patents to be issued on this invention;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, International Application No. PCT/US2014/068443, and this application, and all applications and patents that claim priority therefrom and common priority therewith, including all divisions, continuations, continuations-in-part, substitutions, registrations, and renewals thereof, and all Letters Patent which may be granted thereon, and all reissues, reexaminations, extensions, and Supplementary Protection Certificates or the like thereof, and all rights to claim priority in any country on the basis of International Application No. PCT/US2014/068443, as well as all rights to claim priority on the basis of this application in any country, and all applications for Letters Patent which may hereafter be filed for this invention in any country and all Letters Patent which may be granted on this invention in any country, and all divisions, continuations, continuationsin-part, substitutions, registrations, renewals, reissues, reexaminations, extensions, and Supplementary Protection Certificates or the like thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us

Page 1 of 5

respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I her	eunto set n	ny hand and seal dated this <u>23</u> day of
V		Kimberly VANOVER
	Address:	c/o Intra-Cellular Therapies, Inc. 430 East 29th Street, Suite 900 New York, New York, 10016
State of County of On this day of and for the State and County aforesaid, pers be the person of that name, who executed th	onally app	2016, before me, a Notary Public in eared the above signatory, known to me to g instrument in my presence.
	N	OTARY PUBLIC
IN TESTIMONY WHEREOF, I her	Address:	Peng LI  c/o Intra-Cellular Therapies, Inc.
		430 East 29th Street, Suite 900 New York, New York, 10016
State of New York  County of New York  On this 18 day of Man  and for the State and County aforesaid, person of that name, who executed the		
19 (19) 19 (19) 19 (19)	NOTA	TERRY GIBSON RY PUBLIC-STATE OF NEW YORK

Page 3 of 5

Qualified in New York County
My Commission Expires / ATEN

No. 01GI6046876

REEL: 039402 FRAME: 0955

IN TESTIMONY WHEREOF, I her	eunto set i	my hand and seal dated this day of
		Sharon MATES
	Address:	c/o Intra-Cellular Therapies, Inc. 430 East 29th Street, Suite 900 New York, New York, 10016
State of Yew York  County of New York  On this 17 day of May  and for the State and County aforesaid, person be the person of that name, who executed the	onally app	eared the above signatory, known to me to
TERRY GIBSON NOTARY PUBLIC-STATE OF NEW YORK No. 01Gl6046876 Qualified in New York County My Commission Expires / 6/5/2015	<u>Je</u>	ory Hibbs
IN TESTIMONY WHEREOF, I her , 2016.	eunto set i	ny hand and seal dated this 24 day of Robert DAVIS
	Address:	c/o Intra-Cellular Therapies, Inc. 430 East 29th Street, Suite 900 New York, New York, 10016
State of New York  County of New York  On this 24 day of May  and for the State and County aforesaid, person be the person of that name, who executed the		
	NO	OTARY PUBLIC

Page 4 of 5

TERRY GIBSON
NOTARY PUBLIC-STATE OF NEW YORK
NO. 01G16046876

Qualified in New York County

My Commission Expires / PATENT

REEL: 039402 FRAME: 0956

IN TESTIMONY WHEREOF, I he 2016.	reunto set my hand and seal dated this // day of
4 0	1. Wennows
	Lawrence WENNOGLE
	Address: c/o Intra-Cellular Therapies, Inc. 430 East 29th Street, Suite 900 New York, New York, 10016
State of New York County of New York On this 17 day of MAY and for the State and County aforesaid, pers be the person of that name, who executed the	2016, before me, a Notary Public in sonally appeared the above signatory, known to me to be foregoing instrument in my presence.
	Leny Jochen
	NOTARY PUBLIC
	TERRY GIBSON NOTARY PUBLIC-STATE OF NEW YORK
Countersign by the ASSIGNEE:	No. 01Gi6046876  Qualified in New York County  My Commission Expires 10 5
The ASSIGNEE hereby acknowledg	ges receipt of the entire right, title and interest in and
to the patents and patent applications. IN T	ESTIMONY WHEREOF, I hereunto set my hand
and seal.	By: Allen Fienberg Title: Vice President, Business Development INTRA-CELLULAR THERAPIES, INC.
State of New york County of New york On this 17 day of Mark	2016, before me, a Notary Public in sonally appeared the above signatory, known to me to
and for the State and County aforesaid, pers	sonally appeared the above signatory, known to me to
be the person of that name, who executed the	e foregoing instrument in my presence.
	Ser G.L_
	NOTARY PUBLIC

Page 5 of 5

TERRY GIBSON HOYARY PUBLIC-STATE OF NEW YORK

No. 01GI6046876

Qualified in New York County / 6c., CommispATENT /0/5/

REEL: 039402 FRAMÉ: 0957

#### ASSIGNMENT

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as Assignor(s)) have made an invention entitled:

#### NOVEL METHODS

for which I/We filed a patent application as International Application No. PCT/US2014/068443 on December 3, 2014 which claims priority to U.S. Provisional Application Nos. 62/032,326 filed August 1, 2014; 61/975,702 filed April 4, 2014; 61/925,607 filed January 9, 2014; and 61/911,416 filed December 3, 2013, and

WHEREAS, Intra-Cellular Therapies, Inc., a corporation of Delaware, whose post office address is 430 East 29<sup>th</sup> Street, Suite 900, New York, NY 10016 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the applications for Letters Patent on this invention and the Letters Patents to be issued on this invention;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, International Application No. PCT/US2014/068443, and this application, and all applications and patents that claim priority therefrom and common priority therewith, including all divisions, continuations, continuations-in-part, substitutions, registrations, and renewals thereof, and all Letters Patent which may be granted thereon, and all reissues, reexaminations, extensions, and Supplementary Protection Certificates or the like thereof, and all rights to claim priority in any country on the basis of International Application No. PCT/US2014/068443, as well as all rights to claim priority on the basis of this application in any country, and all applications for Letters Patent which may hereafter be filed for this invention in any country and all Letters Patent which may be granted on this invention in any country, and all divisions, continuations, continuationsin-part, substitutions, registrations, renewals, reissues, reexaminations, extensions, and Supplementary Protection Certificates or the like thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us

Page 1 of 5

respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I here, 2016.	unto set r	ny hand and seal dated this day of
	-	Kimberly VANOVER
	Address:	c/o Intra-Celiular Therapies, Inc. 430 East 29th Street, Suite 900 New York, New York, 10016
State of County of On this day of and for the State and County aforesaid, perso be the person of that name, who executed the	mally app	2016, before me, a Notary Public in eared the above signatory, known to me to a instrument in my presence.
		Samuella de producti.
	N	DTARY PUBLIC
IN TESTIMONY WHEREOF, I here, 2016.	eunto set 1	ny hand and seal dated this day of
÷	<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	Peng LI
,	Address:	c/o Intra-Cellular Therapies, Inc. 430 East 29th Street, Suite 900 New York, New York, 10016
and for the State and County aforesaid, persor	naliy appe	2016, before me, a Notary Public in ared the above signatory, known to me to
be the person of that name, who executed the	foregoing	instrument in my presence.
•••		

Page 3 of 5

, 2016.	reunto set	my hand and seal dated this day of
		Sharon MATES
	Address:	c/o Intra-Cellular Therapies, Inc. 430 East 29th Street, Suite 900 New York, New York, 10016
State of County of On this day of		2016, before me, a Notary Public in
and for the State and County aforesaid, perso be the person of that name, who executed the	onally appo	eared the above signatory, known to me to
	 N(	DTARY PUBLIC
IN TESTIMONY WHEREOF, I here	eunto set n	ny hand and seal dated this day of Robert DAVIS
	Address:	c/o Intra-Cellular Therapies, Inc. 430 East 29th Street, Suite 900 New York, New York, 10016
State of CA County of San Dieso On this 27 day of April and for the State and County aforesaid, person be the person of that name, who executed the	nally appe foregoing	2016, before me, a Notary Public in ared the above signatory, known to me to instrument in my presence.
Page 4 of 5  Page 4 of 5  Page 5  Page 6 of 5  Page 6 of 5  Page 7 of 5  Page 8 of 5	69 <b>%</b> nia 3	THIM FUBLIC

, 2016.	, I hereunto set my hand and seal dated this day of
	Lawrence WENNOGLE
	Address: c/o Intra-Cellular Therapies, Inc. 430 East 29th Street, Suite 900 New York, New York, 10016
State of County of On this day of	2016, before me, a Notary Public in
and for the State and County aforesaid	, personally appeared the above signatory, known to me to ted the foregoing instrument in my presence.
	NOTARY PUBLIC
	HOTART FODER
Countersign by the ASSIGNEE:	HOTAKI FODEK
The ASSIGNEE hereby acknown to the patents and patent applications.	Pledges receipt of the entire right, title and interest in and IN TESTIMONY WHEREOF, I hereunto set my hand
The ASSIGNEE hereby acknown to the patents and patent applications.	Pledges receipt of the entire right, title and interest in and IN TESTIMONY WHEREOF, I hereunto set my hand  By: Allen Fienberg Title: Vice President, Business Development INTRA-CELLULAR THERAPIES, INC. 430 East 29th Street, Suite 900
The ASSIGNEE hereby acknown to the patents and patent applications, and seal.	Allen Fienberg Title: Vice President, Business Development INTRA-CELLULAR THERAPIES, INC.
The ASSIGNEE hereby acknown to the patents and patent applications, and seal.  State of County of	Pledges receipt of the entire right, title and interest in and IN TESTIMONY WHEREOF, I hereunto set my hand  By: Allen Fienberg Title: Vice President, Business Development INTRA-CELLULAR THERAPIES, INC. 430 East 29th Street, Suite 900 New York, New York, 10016
to the patents and patent applications.  and seal.  State of  County of  On this day of  and for the State and County aforesaid,	Pledges receipt of the entire right, title and interest in and IN TESTIMONY WHEREOF, I hereunto set my hand  By: Allen Fienberg Title: Vice President, Business Development INTRA-CELLULAR THERAPIES, INC. 430 East 29th Street, Suite 900

Page 5 of 5

#### ASSIGNMENT

WHEREAS I/We, the below named inventor(s) (hereinafter referred to as Assignor(s)) have made an invention entitled:

# NOVEL METHODS

for which I/We filed a patent application as International Application No. PCT/US2014/068443 on December 3, 2014 which claims priority to U.S. Provisional Application Nos. 62/032,326 filed August 1, 2014; 61/975,702 filed April 4, 2014; 61/925,607 filed January 9, 2014; and 61/911,416 filed December 3, 2013, and

WHEREAS, Intra-Cellular Therapies, Inc., a corporation of Delaware, whose post office address is 430 East 29<sup>th</sup> Street, Suite 900, New York, NY 10016 (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the applications for Letters Patent on this invention and the Letters Patents to be issued on this invention;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from Assignee is hereby acknowledged, I/We, as Assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, my/our entire right, title, and interest in and to this invention, International Application No. PCT/US2014/068443, and this application, and all applications and patents that claim priority therefrom and common priority therewith, including all divisions, continuations, continuations-in-part, substitutions, registrations, and renewals thereof, and all Letters Patent which may be granted thereon, and all reissues, reexaminations, extensions, and Supplementary Protection Certificates or the like thereof, and all rights to claim priority in any country on the basis of International Application No. PCT/US2014/068443, as well as all rights to claim priority on the basis of this application in any country, and all applications for Letters Patent which may hereafter be filed for this invention in any country and all Letters Patent which may be granted on this invention in any country, and all divisions, continuations, continuationsin-part, substitutions, registrations, renewals, reissues, reexaminations, extensions, and Supplementary Protection Certificates or the like thereof; and I/We hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent for this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY covenant that I/We have the full right to convey the interest assigned by this Assignment, and I/We have not executed and will not execute any agreement in conflict with this Assignment;

AND, I/WE HEREBY further covenant and agree that I/We will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to me/us

Page 1 of 5

respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I he	ereunto set n	ny hand and seal dated this 472 day of
		Kimberly-VANOVER
	Address:	c/o Intra-Cellular Therapies, Inc. 430 East 29th Street, Suite 900 New York, New York, 10016
terry Gisson NOTARY PUBLIC-STATE OF NEW YORK No. D1Gi6046876 Qualified in New York County My Commission Expires	rsonally app the foregoin e N	2016, before me, a Notary Public in eared the above signatory, known to me to g instrument in my presence.  OTARY PUBLIC  my hand and seal dated this day of
		Peng LI
	Address:	c/o Intra-Cellular Therapies, Inc. 430 East 29th Street, Suite 900 New York, New York, 10016
State of County of On this day of and for the State and County aforesaid, per be the person of that name, who executed t	rsonally app he foregoing	2016, before me, a Notary Public in eared the above signatory, known to me to g instrument in my presence.
	N	OTARY PUBLIC

Page 3 of 5

IN TESTIMONY WHEREOF, I he, 2016.	reunto set	my hand and seal dated this day of
		Sharon MATES
	Address:	c/o Intra-Cellular Therapies, Inc. 430 East 29th Street, Suite 900 New York, New York, 10016
State of County of On this day of and for the State and County aforesaid, pers be the person of that name, who executed the	sonally app	2016, before me, a Notary Public in eared the above signatory, known to me to g instrument in my presence.
	Ne	OTARY PUBLIC
IN TESTIMONY WHEREOF, I her	reunto set i	ny hand and seal dated this day of
	<del></del>	Robert DAVIS
	Address:	c/o Intra-Cellular Therapies, Inc. 430 East 29th Street, Suite 900 New York, New York, 10016
State of County of On this day of and for the State and County aforesaid, pers be the person of that name, who executed the	onally appo	2016, before me, a Notary Public in eared the above signatory, known to me to instrument in my presence.
	NO	DTARY PUBLIC

Page 4 of 5

IN TESTIMONY WHEREOF, I her, 2016.	eunto set	my hand and seal dated this day of
	Lawrence WENNOGLE	
	Address:	c/o Intra-Cellular Therapies, Inc. 430 East 29th Street, Suite 900 New York, New York, 10016
and for the State and County aforesaid, personal	onally app	2016, before me, a Notary Public in seared the above signatory, known to me to
be the person of that name, who executed the	e roregoin	g instrument in my presence.
	NOTARY PUBLIC	
Countersign by the ASSIGNEE:		
The ASSIGNEE hereby acknowledge	es receipt	of the entire right, title and interest in and
to the patents and patent applications. IN TH		
and seal.		
	By: Allen Fienberg	
	Title: V. IN 43	Fienberg ice President, Business Development VTRA-CELLULAR THERAPIES, INC. 60 East 29th Street, Suite 900 ew York, New York, 10016
State of County of On this day of and for the State and County aforesaid, perso be the person of that name, who executed the	onally app	2016, before me, a Notary Public in eared the above signatory, known to me to g instrument in my presence.
	N	OTARY PUBLIC

Page 5 of 5

**RECORDED: 08/11/2016**