

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT5462838

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SWADESHMUKUL SANTRA	02/15/2019
SWAMINATHAN RAJARAMAN	02/19/2019
WOO HYOUNG LEE	02/15/2019
YUNJUN XU	02/15/2019
MARIA GABRIELA NOGUEIRA CAMPOS	02/19/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC.
<b>Street Address:</b>	12201 RESEARCH PARKWAY, SUITE 501
<b>City:</b>	ORLANDO
<b>State/Country:</b>	FLORIDA
<b>Postal Code:</b>	32826
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16104752
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(407)926-7720
<i>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.</i>	
<b>Phone:</b>	4079267726
<b>Email:</b>	patents@bwsmiplaw.com
<b>Correspondent Name:</b>	BEUSSE WOLTER SANKS & MAIRE PLLC
<b>Address Line 1:</b>	390 N. ORANGE AVE., SUITE 2500
<b>Address Line 4:</b>	ORLANDO, FLORIDA 32801
<b>ATTORNEY DOCKET NUMBER:</b>	10669-246US1
<b>NAME OF SUBMITTER:</b>	TIMOTHY H. VAN DYKE
<b>SIGNATURE:</b>	/Timothy H. Van Dyke/
<b>DATE SIGNED:</b>	04/08/2019
<b>Total Attachments: 7</b>	
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## PATENT APPLICATION ASSIGNMENT

WHEREAS, I, The undersigned, have invented certain new and useful improvements in PHLOEM-BASED DELIVERY OF THERAPEUTICS, for which an application for U.S. Letters Patent was filed on August 17, 2018, as Serial No. 16/104,752.

WHEREAS, by virtue of my employment/appointment with the UNIVERSITY OF CENTRAL FLORIDA, I am obligated to assign any rights in the said invention to the UNIVERSITY OF CENTRAL FLORIDA or its designee;

WHEREAS, the UNIVERSITY OF CENTRAL FLORIDA has designated the UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., existing by virtue of the laws of the State of Florida, and having an office at 12201 Research Parkway, Ste. 501, Orlando, FL 32826, to be the assignee of the entire right, title and interest in and to the said invention;

WHEREAS, the UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC. is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent which may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in view of good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, I, the undersigned, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer, unto said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, and extensions thereof.

I hereby authorize and request the Patent Office Officials in the United States and in any and all foreign countries to issue any and all of said Letters Patent, when granted, to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., as the assignee of the entire right, title and interest in and to the same, for the sole use and behalf of said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns.

FURTHER, I agree that I will communicate to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., or its representatives, any facts known to us respecting said invention; testify in any legal proceedings; sign all lawful papers; execute all divisional, continuation, substitution, renewal, and reissue applications; execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC.; make all rightful oaths; and generally do everything possible to aid the said UNIVERSITY OF CENTRAL FLORIDA RESEARCH FOUNDATION, INC., its successors and assigns, to obtain and enforce proper protection for said invention in the United States and in any and all foreign countries.

IN TESTIMONY WHEREOF, I have hereunto set my hand on the date written herein below.

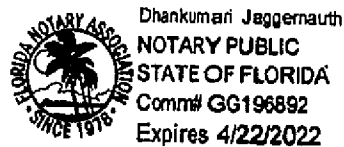
Signed Swadeshmukul Santra  
Swadeshmukul SANTRA  
4365 Andromeda Loop N,  
Orlando, FL 32816

State of Florida  
County of Orange )

On this 15<sup>th</sup> day of February, 2019, personally appeared before me the above-named Swadeshmukul SANTRA, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

Dhankumari Jagannauth  
Notary Public  
My Commission Expires:

SEAL



IN TESTIMONY WHEREOF, I have hereunto set my hand on the date written herein below.

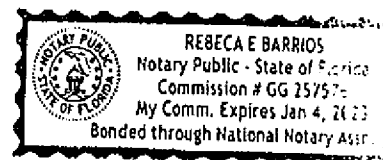
Signed Swaminathan  
Swaminathan RAJARAMAN  
4365 Andromeda Loop N,  
Orlando, FL 32816

State of Florida  
County of Orange

On this 19 day of February, 2019, personally appeared before me the above-named Swaminathan RAJARAMAN, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

[Signature]  
Notary Public  
My Commission Expires: 01/04/2023

SEAL



IN TESTIMONY WHEREOF, I have hereunto set my hand on the date written herein below.

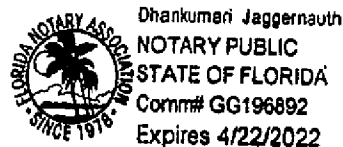
Signed Woo Hyoung LEE  
Woo Hyoung LEE  
4365 Andromeda Loop N,  
Orlando, FL 32816

State of Florida  
County of Orange )

On this 15<sup>th</sup> day of February, 2019, personally appeared before me the above-named Woo Hyoung LEE, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

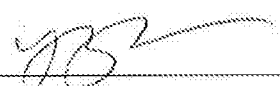
Dhankumari Jaggernauth  
Notary Public  
My Commission Expires:

SEAL



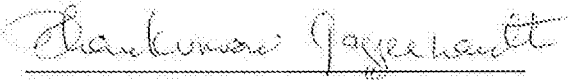
IN TESTIMONY WHEREOF, I have hereunto set my hand on the date written herein below.

Signed \_\_\_\_\_

  
Yunjun XU  
4365 Andromeda Loop N,  
Orlando, FL 32816

State of Florida  
County of Orange )

On this 15 day of Feb., 2018<sup>9</sup>, personally appeared before me the above-named Yunjun XU, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

  
Notary Public  
My Commission Expires:

SEAL



Dhankumari Jaggemauth  
NOTARY PUBLIC  
STATE OF FLORIDA  
Comm# GG196892  
Expires 4/22/2022

IN TESTIMONY WHEREOF, I have hereunto set my hand on the date written herein below.

Signed Maria Gabriela Campos  
Maria Gabriela Nogueira CAMPOS  
4365 Andromeda Loop N,  
Orlando, FL 32816

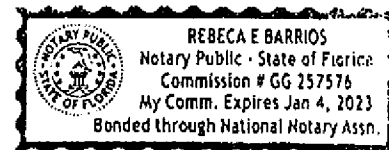
State of Florida  
County of Orange

On this 19 day of February, 2019, personally appeared before me the above-named Maria Gabriela Nogueira CAMPOS, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

[Signature]  
Notary Public

My Commission Expires: 01/04/2023

SEAL





Date:

2/20/19

Svetlana Shtrom

UNIVERSITY OF CENTRAL FLORIDA  
RESEARCH FOUNDATION, INC.

Name: Svetlana S. Shtrom

Title: Vice President of Technology Transfer

State of Florida  
County of ORANGE )

On this 20th day of February, 2019 personally appeared before me the above-named Svetlana S. Shtrom, to me known to be the person described in the foregoing instrument, who executed the foregoing instrument, and who acknowledged the same to be his/her free act and deed in and for the purposes set forth in said instrument.

[Signature]

Notary Public

My Commission Expires: 5/22/2021

SEAL



Amanda Cathleen Reno  
NOTARY PUBLIC  
STATE OF FLORIDA  
Comm# GG072484  
Expires 5/22/2021