

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4977726

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
WENBIN LIN	05/07/2018
CHUNBAI HE	05/11/2018
KUANGDA LU	05/11/2018
KAIYUAN NI	05/07/2018
GUANGXU LAN	05/07/2018
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	THE UNIVERSITY OF CHICAGO
<b>Street Address:</b>	6030 SOUTH ELLIS
<b>Internal Address:</b>	EDELSTONE 2S
<b>City:</b>	CHICAGO
<b>State/Country:</b>	ILLINOIS
<b>Postal Code:</b>	60637
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15884036
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(919)419-0383
<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>	9194938000
<b>Email:</b>	general@jwth.com
<b>Correspondent Name:</b>	ARLES A. TAYLOR, JR.
<b>Address Line 1:</b>	3015 CARRINGTON MILL BLVD
<b>Address Line 2:</b>	SUITE 550
<b>Address Line 4:</b>	MORRISVILLE, NORTH CAROLINA 27560
<b>ATTORNEY DOCKET NUMBER:</b>	3072/5/3 CIP
<b>NAME OF SUBMITTER:</b>	CONSTANCE CHIA
<b>SIGNATURE:</b>	/constance chia/
<b>DATE SIGNED:</b>	05/24/2018

**Total Attachments: 4**

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## ASSIGNMENT

Pursuant to our obligation to **THE UNIVERSITY OF CHICAGO** ("ASSIGNEE"), an Illinois not for profit corporation having its principal place of business at 5801 S. Ellis Avenue, Chicago, Illinois 60637, and for other valuable and sufficient consideration, receipt whereof is hereby acknowledged, we:

**WENBIN LIN**

**CHUNBAI HE**

**KUANGDA LU**

**KAIYUAN NI**

**GUANGXU LAN**

confirm that we have sold, assigned, and conveyed unto ASSIGNEE, its successors and assigns, or to the extent we have not yet sold, assigned or conveyed, do hereby sell, assign and convey unto ASSIGNEE, its successors and assigns, our entire right, title, and interest -

(1) in and to an invention entitled "**NANOPARTICLES FOR PHOTODYNAMIC THERAPY, X-RAY INDUCED PHOTODYNAMIC THERAPY, RADIOTHERAPY, RADIODYNAMIC THERAPY, CHEMOTHERAPY, IMMUNOTHERAPY, AND ANY COMBINATION THEREOF**" ("INVENTION") for which we have executed United States Continuation In Part Application 15/884,036 filed on January 30, 2018, which is based on Nationalized PCT Application 15/518,665 filed April 12, 2017, which is based on United States PCT Application PCT/US2015/055574 filed on October 14, 2015, which claims the benefit of priority of United States Provisional Application 62/173,103 filed on June 9, 2015 and United States Provisional Application 62/063,770 filed October 14, 2014;



(2) in and to said United States patent applications, in and to all other patent applications (including US Utility, divisional, continuation, continuation-in-part, §111(b) provisional, §111(a), and reissue applications) based upon said invention, including the right to claim priority to said Provisional patent application and to all other applications based upon said invention, and in and to the patent or patents to be granted thereon, including reissues thereof, if any, to the full end of the term or terms for which said patent or patents may be granted. The effective date of this Assignment is January 30, 2018;

(3) in and to all patent applications based on INVENTION now or hereafter filed in countries foreign to the United States of America, and in and to any and all patents granted on said foreign applications to the full end of the term or terms for which said foreign patents may be granted; AND

(4) in and to the right the claim the full benefits and priority rights under the International Convention (and any other international agreement to which the United States adheres) in and to any and all patent applications -- both United States and foreign patent applications -- based on INVENTION now or hereafter filed.

And we hereby agree that, under the International Convention, any United States patent application(s) and any foreign application(s) which may be filed shall be filed in the name of ASSIGNEE with a claim to priority based on said United States Application.

And we hereby agree that we will, upon request of ASSIGNEE, its successors or assigns, and without further consideration to us, execute any and all papers that may be necessary -- or deemed by ASSIGNEE, its successors or assigns, to be necessary -- to a complete fulfillment of the

Intents and purposes of this Assignment, it being understood that any expense incident to the execution of such papers shall be paid by ASSIGNEE, its successors or assigns, and not by us.

And the Commissioner of Patents and Trademarks of the United States is hereby authorized and requested to issue said United States patent or patents to ASSIGNEE.

5/7/2018  
Date

5/7/2018  
Date

[Signature]  
Wenbin Lin

[Signature]  
Witness Signature

Wenbin He  
Witness Printed Name

5/11/2018  
Date

5/11/2018  
Date

[Signature]  
Chunbal He

[Signature]  
Witness Signature

Weicheng Wu  
Witness Printed Name

5/11/2018  
Date

5/11/2018  
Date

[Signature]  
Kuangda Lu

[Signature]  
Witness Signature

Pengfei Ji  
Witness Printed Name


05/07/18  
Date

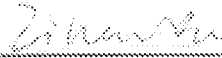
04/07/18  
Date

05/07/18  
Date


04/27/18  
Date

5/23/18  
Date

  
Kaiyuan Ni

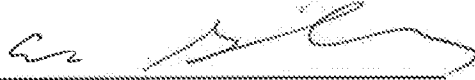
  
Witness Signature

Zivan Xu  
Witness Printed Name

  
Guangxu Lan

  
Witness Signature

Christina Chan  
Witness Printed Name

  
Eric Ginsburg, PhD  
Associate Director,  
Technology Commercialization  
Polsky Center for Entrepreneurship and Innovation  
The University of Chicago