

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT6155570

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHENGCHENG JIN	07/31/2019
GEORGIA LAGOUDAS	08/07/2019
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MASSACHUSETTS INSTITUTE OF TECHNOLOGY
<b>Street Address:</b>	77 MASSACHUSETTS AVENUE
<b>City:</b>	CAMBRIDGE
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	02139
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	16449100
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<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>Email:</b>	heather@pabstpatent.com
<b>Correspondent Name:</b>	PABST PATENT GROUP LLP
<b>Address Line 1:</b>	1545 PEACHTREE STREET, SUITE 320
<b>Address Line 4:</b>	ATLANTA, GEORGIA 30309
<b>ATTORNEY DOCKET NUMBER:</b>	MIT 20602
<b>NAME OF SUBMITTER:</b>	HEATHER BIFFLE
<b>SIGNATURE:</b>	/Heather Biffle/
<b>DATE SIGNED:</b>	06/16/2020
<b>Total Attachments: 4</b>	
source=Executed Assignment - Jin and Lagoudas to MIT#page1.tif	
source=Executed Assignment - Jin and Lagoudas to MIT#page2.tif	
source=Executed Assignment - Jin and Lagoudas to MIT#page3.tif	
source=Executed Assignment - Jin and Lagoudas to MIT#page4.tif	

## ASSIGNMENT

We, **Chengcheng Jin** of 100 Memorial Drive, Apt. 2-21A, Cambridge, Massachusetts 02142, and **Georgia Lagoudas** of Massachusetts Institute of Technology, BE Communication Lab, Room 56-211, Cambridge, Massachusetts 02139, in consideration of ten dollars and other valuable consideration paid to us by **Massachusetts Institute of Technology**, a university of the Commonwealth of Massachusetts, having its principal place of business at 77 Massachusetts Avenue, Cambridge, MA 02139 (hereinafter "said Assignee"), the receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto said Assignee, its successors and assigns, the entire interest for the United States of America, and its possessions and territories, and all foreign countries and jurisdictions, in, to, and for (1) a certain invention(s) and/or improvement(s) in "*METHODS AND COMPOSITIONS TARGETING LUNG MICROBIOTA AND ITS RESPONDING IMMUNE PATHWAYS FOR LUNG CANCER TREATMENT*" described in U.S. Application No. 16/449,100 filed in the United States Patent and Trademark Office on June 21, 2019, by Chengcheng Jin, Georgia Lagoudas, Paul Blainey, and Tyler Jacks, and in the provisional application(s) to which priority is claimed, being U.S. Provisional Application No. 62/727,955 filed in the United States Patent and Trademark Office on September 6, 2018, and U.S. Provisional Application No. 62/769,215 filed in the United States Patent and Trademark Office on November 19, 2018, (2) U.S. Application No. 16/449,100 filed June 21, 2019, U.S. Provisional Application No. 62/727,955 filed September 6, 2018, and U.S. Provisional Application No. 62/769,215 filed November 19, 2018, (3) all Letters Patent of the United States and its possessions and territories and of all foreign countries and jurisdictions which may or shall be granted on said invention(s), on said improvement(s), or on said application(s), (4) all provisional, divisional, continuation, reissue, PCT, national phase, or other applications based thereon, and (5) all rights of priority, including the right to claim priority to said application(s), under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and any other treaty relating thereto.

We agree, for ourselves and our executors and administrators, with said Assignee and its successors and assigns, but at its or their expense or charges, hereafter to execute all applications, amended specifications, deeds or other instruments, and to do all acts necessary

**Title: "METHODS AND COMPOSITIONS TARGETING LUNG MICROBIOTA AND ITS RESPONDING IMMUNE PATHWAYS FOR LUNG CANCER TREATMENT"**

**By: Chengcheng Jin, Georgia Lagoudas, Paul Blainey, and Tyler Jacks**

**Filed: June 21, 2019**

**ASSIGNMENT**

or proper to secure the grant of Letters Patent in the United States and its possessions and territories and in all other foreign countries and jurisdictions to said Assignee, with specifications and claims in such form as shall be approved by the counsel of said Assignee, and to vest and confirm in said Assignee, its successors and assigns, the legal title to all such patents.

We do hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue such Letters Patent as shall be granted upon said application(s) based thereon to said Assignee, its successors and assigns.

We each individually do hereby state (1) that the application(s) was made or was authorized to be made by each of us and (2) that we each believe ourselves to be the original inventor or joint inventor of a claimed invention in the application(s).

We each individually do hereby authorize said Assignee's attorney to correct any typographical errors on this form, if necessary, and to complete this form by the addition of the application number(s), application filing date(s), and attorney docket number(s), if necessary.

Title: "METHODS AND COMPOSITIONS TARGETING LUNG MICROBIOTA AND ITS RESPONDING IMMUNE PATHWAYS FOR LUNG CANCER TREATMENT"

By: Chengcheng Jin, Georgia Lagoudas, Paul Blainey, and Tyler Jacks

Filed: June 21, 2019

ASSIGNMENT

WITNESS my hand and seal this 21 day of Jul, 2019

Chengcheng Jin  
Chengcheng Jin

Witnesses:

1. Signed: Judy Teixeira  
Printed Name: Judy Teixeira  
Address: 70 Briarwood Rd  
Tewksbury MA 01876
2. Signed: Karen Yee  
Printed Name: Karen Yee  
Address: 176 West Brookline Street  
Boston MA 02118

Title: "METHODS AND COMPOSITIONS TARGETING LUNG MICROBIOTA AND ITS RESPONDING IMMUNE PATHWAYS FOR LUNG CANCER TREATMENT"

By: Chengcheng Jin, Georgia Lagoudas, Paul Blainey, and Tyler Jacks

Filed: June 21, 2019

ASSIGNMENT

WITNESS my hand and seal this 17<sup>th</sup> day of August, 2019

Georgia Lagoudas  
Georgia Lagoudas

Witnesses:

1. Signed: C. Duvall  
Printed Name: Clare Duvall  
Address: 9 Seattle St., Allston, MA 02134

2. Signed: Scott W. Olsen  
Printed Name: Scott W. Olsen  
Address: 1 Whittemore Ave #107, Cambridge, MA 02140