505658511 09/06/2019 PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:		NEW ASSIGNMENT		
NATURE OF CONVEY	ANCE:	ASSIGNMENT		
CONVEYING PARTY	DATA			
		Name	Execution Date	
JIE ZHOU			09/15/2011	
CHING FUN LAU			09/15/2011	
ZHIWEN XU			09/15/2011	
WING SZE LO			09/15/2011	
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State/Country:	HONO	KONG		
PROPERTY NUMBE Property Typ	be	1 Number]	
Application Number	•	16005045		
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ATTORNEY DOCKET NUMBER:	ATYR-015/06US 315789-2614
ATTORNET DOCKET NOWBER:	ATTR-015/0605 515769-2014
NAME OF SUBMITTER:	MARK E. ROGEL
SIGNATURE:	/Mark E. Rogel/
DATE SIGNED:	09/06/2019
Total Attachments: 3	

Total Attachments: 3

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PATENT REEL: 050291 FRAME: 0972

ASSIGNMENT

WHEREAS, we,

Name	Residence Address	
Jie Zhou	Tai Po Tsai Village, 18-1/F, Clear Water Bay, Kowloon, Hong Kong, China	;
Ching Fun Lau	Room 1913, Shek Jing House, Chun Shek Estate, Shatin, New Territories, Hong Kong, China	;
Zhiwen Xu	No. 55, 1/F, Tai Po Tsal Village, Clear Water Bay Road, Kowloon, Hong Kong, China	; and
Wing-Sze Lo	Room 815, Sui Ming House, Siu Sai Wan Estate, Chai Wan, Hong Kong, China	;

(hereinafter referred to as ASSIGNORS), having residence addresses as listed above next to our names, are the listed inventors/applicants of the following patent applications:

Application No.	Title	Filing Date				
U.S. 61/160,630	COMPOSITIONS AND METHODS COMPRISING	March 16, 2009				
	HISTIDYL-TRNA SYNTHETASE SPLICE VARIANTS					
	HAVING NON-CANONICAL BIOLOGICAL ACTIVITIES					
U.S. 61/239,747	COMPOSITIONS AND METHODS COMPRISING	September 3, 2009				
	HISTIDYL-IRNA SYNTHETASE SPLICE VARIANTS					
	HAVING NON-CANONICAL BIOLOGICAL ACTIVITIES					
U.S. 12/725,272	COMPOSITIONS AND METHODS COMPRISING	March 16, 2010				
	HISTIDYL-IRNA SYNTHETASE SPLICE VARIANTS					
	HAVING NON-CANONICAL BIOLOGICAL ACTIVITIES					
PCT/US2010/027525	COMPOSITIONS AND METHODS COMPRISING	March 16, 2010				
	HISTIDYL-IRNA SYNTHETASE SPLICE VARIANTS					
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WHEREAS, Pangu BioPharma Limited (hereinafter referred to as ASSIGNEE), having a place of business at 18/F, Edinburgh Tower, The Landmark, 15 Queen's Road Central, Hong Kong, Special Administrative Region of the People's Republic of China; is desirous of acquiring the entire right, title and interest in and to said patent applications and in and to any letters patent(s) that claim the priority benefit of said patent applications in the United States and in any and all foreign countries;

NOW, THEREFORE, for valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby confirm that they have sold, assigned or transferred or do hereby sell, assign and transfer unto said ASSIGNEE, any and all outstanding right, title and interest in and to said patent applications and the invention(s) disclosed therein, any rights that remain with the inventors in said patent applications, and any and all letters patent(s) which claim priority to said patent applications and any and all letters patent(s) which claim the invention(s) disclosed therein and which may be granted in the United States of America and its territorial possessions including any extensions or adjustments in term thereof and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of ASSIGNEE and to claim priority rights deriving from said United States patent applications to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention(s), patent applications and all letters patent(s) on said invention(s) or claiming priority to said patent applications to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention(s) to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States and foreign letters patent on said invention(s), for litigation regarding said letters patent, or for the purpose of protecting title to said invention(s) or letters patent therefor.

This Assignment is effective as of March 16, 2009.

Sept15,2011

nonjie

Date

Jie Zhou

I certify that I know or have satisfactory evidence that Jie Zhou signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date <u>Sept 15</u> <u>Sol1</u> (Type or Print) <u>Wang Fang</u> (Type or Print Name of Witness)

	Sept	15.	2011	
Date	1.			

Mu Ching Fun Lau

I certify that I know or have satisfactory evidence that Ching Fun Lau signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date <u>Sept 15</u>, <u>Jol1</u> (Type or Print) <u>Wang Feng</u> (Type or Print Name of Witness)

Sep. 15, 2011 Au 262

J.W

I certify that I know or have satisfactory evidence that Zhiwen Xu signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date <u>Sept 15</u>, <u>Sor1</u> (Type or Print) Wang Teng (Type or Print Name of Witness

Signed at <u>Hong Kong SAR</u> (Signature of Witness)

<u>Sept 15, 2011</u> Date 47 15, 2011

Wing-Sze/Lo

I certify that I know or have satisfactory evidence that Wing-Sze Lo signed this instrument of his/her own free will, as a voluntary act for the uses and purposes mentioned in the instrument.

Date Sept 15, Soll

Signed at <u>Hong Kong SAR</u>

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RECORDED: 09/06/2019

PATENT REEL: 050291 FRAME: 0975