

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
CHEN LIU	08/01/2023
AHMAD EL KATERJI	07/31/2023
SCOTT CORBETT	07/31/2023
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ABIOMED, INC.
<b>Street Address:</b>	22 CHERRY HILL DRIVE
<b>City:</b>	DANVERS
<b>State/Country:</b>	MASSACHUSETTS
<b>Postal Code:</b>	01923
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	17724137
<b>CORRESPONDENCE DATA</b>	
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<b>ATTORNEY DOCKET NUMBER:</b>	ABIO 3.0F-126 DIV [1558]
<b>NAME OF SUBMITTER:</b>	AVA MARIE FELA
<b>SIGNATURE:</b>	/Ava Marie Fela/
<b>DATE SIGNED:</b>	08/01/2023
<b>Total Attachments: 2</b>	
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**ASSIGNMENT**

WHEREAS, WE, Chen Liu, Ahmad El Katerji, and Scott Corbett, have invented **SYSTEMS AND METHODS FOR PREDICTING PATIENT HEALTH STATUS** described in an application for Letters Patent of the United States, the specification of which:

[x] was filed on April 19, 2022 as United States Application No. 17/724,137;

[x] was filed on December 21, 2018 as United States Application No. 16/230,575; and

[x] was filed on December 21, 2018 as International Application No. PCT/US2018/067240, designating the United States; and

[x] was filed on December 21, 2017 as US Provisional Application No. 62/609,158.

WHEREAS, Abiomed, Inc., (hereinafter "Assignee") a corporation having principal offices at 22 Cherry Hill Drive, Danvers, MA 01923, desires to acquire an interest in the Application in accordance with agreements duly entered into with us;

WHEREAS, the aforesaid inventors are obliged by terms of employment or other agreement to assign all right, title and interest in the Applications to the Assignee;

NOW, THEREFORE, in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we confirm that we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives our entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said Applications (and any inventions described therein) and such patents as may issue thereon, and any reissue, continuation, continuation-in-part, divisional and foreign counterparts thereof and including the right to claim priority under any applicable statute, treaty or convention based on said Applications or inventions thereof; said Applications and patents to be held and enjoyed by said Assignee for its own use and behalf and for its successors, assigns and legal representatives, to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by us had this assignment not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing such Applications, all choses in action pertaining to the Applications or patents including the right to sue for and collect damages and other recoveries for past infringement thereof, all rights to initiate proceedings before government and administrative bodies, and all files, records and other materials arising from the prosecution, exploitation, or defense of rights and registrations pertaining to the Applications or patents. We hereby acknowledge that this assignment being of our entire right, title and interest in and to said Applications, carries with it the right in Assignee to apply for and obtain from competent authorities in countries of the world any and all patents by attorneys and agents of Assignee's

selection and the right to procure the grant of all such patents to Assignee for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid Applications and patents to said Assignee, its successors, assigns and legal representatives, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional, continuation or continuation-in-part applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said inventions or any applications or patent directed thereto may be involved;

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such patents as shall be granted upon said Application or applications based thereon to said Assignee, its successors, assigns, and legal representatives.

*IN TESTIMONY WHEREOF*, Assignors have hereunto set their hands and seals on the dates subscribed below.

Inventor: Signature: Chen Liu Electronically signed by:  
Chen Liu  
Date: Aug 1, 2023 10:52  
EDT Date: Aug 1, 2023  
Name: Chen Liu

Inventor: Signature: Ahmad El Katerji Electronically signed by:  
Ahmad El Katerji  
Date: Jul 31, 2023 13:44  
EDT Date: Jul 31, 2023  
Name: Ahmad El Katerji

Inventor: Signature: Scott Corbett Electronically signed by:  
Scott Corbett  
Date: Jul 31, 2023 16:57  
EDT Date: Jul 31, 2023  
Name: Scott Corbett