

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM819248

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT		
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
AKADEUM LIFE SCIENCES, INC.		06/16/2023	Corporation: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	WTI Fund X, Inc.		
<b>Street Address:</b>	104 La Mesa Drive, Suite 102		
<b>City:</b>	Portola Valley		
<b>State/Country:</b>	CALIFORNIA		
<b>Postal Code:</b>	94028		
<b>Entity Type:</b>	Corporation: MARYLAND		
<b>PROPERTY NUMBERS Total: 2</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	97566103	AKADEUM LIFE SCIENCES	
<b>Serial Number:</b>	97566104	AKADEUM LIFE SCIENCES	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	4153914436		
<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>	4153645540		
<b>Email:</b>	nsust@foxrothschild.com		
<b>Correspondent Name:</b>	JEFFREY T. KLUGMAN		
<b>Address Line 1:</b>	345 California Street		
<b>Address Line 2:</b>	Suite 2200		
<b>Address Line 4:</b>	San Francisco, CALIFORNIA 94104		
<b>NAME OF SUBMITTER:</b>	Jeffrey T. Klugman		
<b>SIGNATURE:</b>	/Jeffrey T. Klugman/		
<b>DATE SIGNED:</b>	06/23/2023		
<b>Total Attachments: 11</b>			
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## INTELLECTUAL PROPERTY SECURITY AGREEMENT

This Intellectual Property Security Agreement (this "Agreement") is made as of June 16, 2023, between AKADEUM LIFE SCIENCES, INC., a Delaware corporation ("Grantor"), and WTI FUND X, INC., a Maryland corporation ("Secured Party").

### RECITALS

A. Pursuant to that certain Loan and Security Agreement of even date herewith between Grantor, as borrower, and Secured Party, as lender (as amended, restated, supplemented or otherwise modified from time to time, the "Loan Agreement"), Secured Party has agreed to make certain advances of money and to extend certain financial accommodations to Grantor (the "Loans") in the amounts and manner set forth in the Loan Agreement. All capitalized terms used herein without definition shall have the meanings ascribed to them in the Loan Agreement.

B. Secured Party is willing to make the Loans to Grantor, but only upon the condition, among others, that Grantor shall grant to Secured Party a security interest in substantially all of Grantor's personal property whether presently existing or hereafter acquired. To that end, Grantor has executed in favor of Secured Party the Loan Agreement granting a security interest in all Collateral, and is executing this Agreement with respect to certain items of Intellectual Property, in particular.

NOW, THEREFORE, THE PARTIES HERETO AGREE AS FOLLOWS:

1. Grant of Security Interest. As collateral security for the prompt and complete payment and performance of all of Grantor's present or future Obligations, Grantor hereby grants a security interest to Secured Party, as security, in and to Grantor's entire right, title and interest in, to and under the following Intellectual Property, now owned or hereafter acquired by Grantor or in which Grantor now holds or hereafter acquires any interest (all of which shall collectively be called the "Collateral" for purposes of this Agreement):

(a) Any and all copyrights, whether registered or unregistered, held pursuant to the laws of the United States, any State thereof or of any other country; all registrations, applications and recordings in the United States Copyright Office or in any similar office or agency of the United States, and State thereof or any other country; all continuations, renewals, or extensions thereof; and any registrations to be issued under any pending applications, including without limitation those set forth on Exhibit A attached hereto (collectively, the "Copyrights");

(b) All letters patent of, or rights corresponding thereto in, the United States or any other country, all registrations and recordings thereof, and all applications for letters patent of, or rights corresponding thereto in, the United States or any other country, including, without limitation, registrations, recordings and applications in the United States Patent and Trademark Office or in any similar office or agency of the United States, any State thereof or any other country; all reissues, continuations, continuations-in-part or extensions thereof; all petty patents, divisionals, and patents of addition; and all patents to be issued under any such applications, including without limitation the patents and patent applications set forth on Exhibit B attached hereto (collectively, the "Patents");

(c) All trademarks, trade names, corporate names, business names, trade styles, service marks, logos, other source or business identifiers, prints and labels on which any of the foregoing have appeared or appear, designs and general intangibles of like nature, now existing or hereafter adopted or acquired, all registrations and recordings thereof, and any applications in connection therewith, including, without limitation, registrations, recordings and applications in the United States Patent and Trademark Office or in any similar office or agency of the United States, any State thereof or any other country or any political subdivision thereof, and reissues, extensions or renewals thereof, and the entire goodwill of the business of Grantor connected with and symbolized by such trademarks, including without limitation those set forth on Exhibit C attached hereto (collectively, the "Trademarks");

(d) Any and all claims for damages by way of past, present and future infringement of any of the rights included above, with the right, but not the obligation, to sue for and collect such damages for said use or infringement of the intellectual property rights identified above;

(e) All licenses or other rights to use any of the Copyrights, Patents or Trademarks, and all license fees and royalties arising from such use to the extent permitted by such license or rights;

(f) All amendments, renewals and extensions of any of the Copyrights, Trademarks or Patents;  
and

(g) All proceeds and products of the foregoing, including without limitation all payments under insurance or any indemnity or warranty payable in respect of any of the foregoing.

Notwithstanding the foregoing the term "Collateral" shall not include: (a) "intent-to-use" trademarks at all times prior to the first use thereof, whether by the actual use thereof in commerce, the recording of a statement of use with the United States Patent and Trademark Office or otherwise, but only to the extent the granting of a security interest in such "intent to use" trademarks would be contrary to applicable law, (b) any contract, instrument or chattel paper in which Grantor has any right, title or interest if and to the extent such contract, instrument or chattel paper includes a provision containing a restriction on assignment such that the creation of a security interest in the right, title or interest of Grantor therein would be prohibited and would, in and of itself, cause or result in a default thereunder enabling another person party to such contract, instrument or chattel paper to enforce any remedy with respect thereto; provided, however, that the foregoing exclusion shall not apply if (i) such prohibition has been waived or such other person has otherwise consented to the creation hereunder of a security interest in such contract, instrument or chattel paper, or (ii) such prohibition would be rendered ineffective pursuant to Sections 9-407(a) or 9-408(a) of the UCC, as applicable and as then in effect in any relevant jurisdiction, or any other applicable law (including the Bankruptcy Code or principles of equity); provided further that immediately upon the ineffectiveness, lapse or termination of any such provision, the term "Collateral" shall include, and Grantor shall be deemed to have granted a security interest in, all its rights, title and interests in and to such contract, instrument or chattel paper as if such provision had never been in effect; and provided further that the foregoing exclusion shall in no way be construed so as to limit, impair or otherwise affect Secured Party's unconditional continuing security interest in and to all rights, title and interests of Grantor in or to any payment obligations or other rights to receive monies due or to become due under any such contract, instrument or chattel paper and in any such monies and other proceeds of such contract, instrument or chattel paper, or (c) any of the license rights granted to Grantor in that certain License Agreement, dated August 16, 2017, between Grantor (as licensee) and the Regents of the University of Michigan (as licensor), as may be amended from time to time.

2. Covenants and Warranties. Grantor represents, warrants, covenants and agrees as follows:

(a) Grantor has rights (as defined in the UCC) in the Collateral, except for Permitted Liens;

(b) During the term of this Agreement, Grantor will not transfer or otherwise encumber any interest in the Collateral, except for Permitted Liens and except for transfers otherwise permitted under the Loan Agreement;

(c) To its knowledge, each of the Patents is valid and enforceable, and no part of the Collateral has been judged invalid or unenforceable, in whole or in part, and no claim has been made that any part of the Collateral violates the rights of any third party;

(d) **Grantor shall deliver to Secured Party within thirty (30) days of the last day of each fiscal quarter, a report signed by Grantor, in form reasonably acceptable to Secured Party, listing (i) any applications or registrations that Grantor has made or filed in respect of any patents, copyrights or trademarks, (ii) the status of any outstanding applications or registrations and (iii) any material change in the composition of the Collateral;**

(e) Grantor shall use reasonable commercial efforts to (i) protect, defend and maintain the validity and enforceability of the Trademarks, Patents and Copyrights, (ii) detect infringements of the Trademarks, Patents and Copyrights and promptly advise Secured Party in writing of material infringements detected, and (iii) not allow any material Trademarks, Patents or Copyrights to be abandoned, forfeited or dedicated to the public unless Grantor deems it to be in the best interest of Grantor's business;

(f) Grantor shall apply for registration (to the extent not already registered) with the United States Patent and Trademark Office or the United States Copyright Office, as applicable: (i) those intellectual property rights listed on Exhibits A, B and C hereto within thirty (30) days of the date of this Agreement; and (ii) those additional intellectual property rights developed or acquired by Grantor from time to time in connection with any product or service, prior to the sale or licensing of such product or the rendering of such service to any third party (including without limitation revisions or additions to the intellectual property rights listed on such Exhibits A, B and C), except, in each case, with respect to such rights that Grantor determines in its sole but reasonable commercial judgment need not be registered to protect its own business interests. Grantor shall, from time to time, execute and file such other instruments, and take such further actions as Secured Party may reasonably request from time to time to perfect or continue the perfection of Secured Party's interest in the Collateral; and

(g) Grantor shall not enter into any agreement that would materially impair or conflict with Grantor's obligations hereunder without Secured Party's prior written consent, which consent shall not be unreasonably withheld. Grantor shall not permit the inclusion in any material contract to which it becomes a party of any provisions that could or might in any way prevent the creation of a security interest in Grantor's rights and interests in any property included within the definition of the Collateral acquired under such contracts, except for provisions in such material contracts as are referenced in the last paragraph of Section 1 of this Agreement.

3. Further Assurances; Attorney in Fact.

(a) On a continuing basis, Grantor will make, execute, acknowledge and deliver, and file and record in the proper filing and recording places in the United States, all such instruments, including appropriate financing and continuation statements and collateral agreements and filings with the United States Patent and Trademark Office and the Register of Copyrights, and take all such action as may reasonably be deemed necessary or advisable, or as reasonably requested by Secured Party, to perfect Secured Party's security interest in all Copyrights, Patents and Trademarks and otherwise to carry out the intent and purposes of this Agreement, or for assuring and confirming to Secured Party the grant or perfection of a security interest in all Collateral.

(b) Grantor hereby irrevocably appoints Secured Party as Grantor's attorney-in-fact, with full authority in the place and stead of Grantor and in the name of Grantor, from time to time in Secured Party's discretion, to take any action and to execute any instrument which Secured Party may deem necessary or advisable to accomplish the purposes of this Agreement, including (i) to modify, in its sole discretion, this Agreement without first obtaining Grantor's approval of or signature to such modification by amending Exhibits A, B and C, hereof, as appropriate, to include reference to any right, title or interest in any Copyrights, Patents or Trademarks acquired by Grantor after the execution hereof or to delete any reference to any right, title or interest in any Copyrights, Patents or Trademarks in which Grantor no longer has or claims any right, title or interest, (ii) to file, in its sole discretion, one or more financing or continuation statements and amendments thereto, relative to any of the Collateral without the signature of Grantor where permitted by law, and (iii) after the occurrence and during the continuance of an Event of Default, to transfer the Collateral into the name of Secured Party or a third party to the extent permitted under the California Uniform Commercial Code.

4. Events of Default. The occurrence of any of the following shall constitute an Event of Default under this Agreement:

(a) An Event of Default under the Loan Agreement; or

(b) Grantor breaches in any material respect any warranty or agreement made by Grantor in this Agreement and, as to any breach that is capable of cure, Grantor fails to cure such breach within thirty (30) days of the sooner to occur of Grantor's receipt of notice of such breach from Secured Party or the date on which such breach first becomes known to Grantor.

5. Amendments. This Agreement may be amended only by a written instrument signed by both parties hereto, except for amendments permitted under Section 3 hereof to be made by Secured Party alone.

6. Counterparts; Electronic Signatures. This Agreement may be executed in any number of counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same agreement. This Agreement may be executed by electronic signatures. Grantor and Secured Party expressly agree to conduct the transactions contemplated by this Agreement by electronic means (including, without limitation, with respect to the execution, delivery, storage and transfer of this Agreement by electronic means and to the enforceability of electronic Loan Documents). Delivery of an executed signature page to this Agreement by facsimile or other electronic mail transmission shall be effective as delivery of a manually executed counterpart hereof.

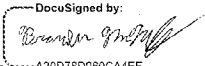
*[Signature Pages Follow]*

[Signature page to Intellectual Property Security Agreement]

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first above written.

**GRANTOR:**

AKADEUM LIFE SCIENCES, INC.

DocuSigned by:  
By:  \_\_\_\_\_  
Name: Brandon McNaughton  
Title: President and Chief Executive Officer

Address for Notices:

674 S. Wagner Road  
Ann Arbor, MI 48103  
Attn: Brandon McNaughton, CEO  
Phone #: (734) 707-1233

**SECURED PARTY:**

WTI FUND X, INC.

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_

Address for Notices:

104 La Mesa Dr., Suite 102  
Portola Valley, CA 94028  
Attn: Chief Financial Officer  
Fax # 650-234-4343  
Phone # 650-234-4300

[Signature page to Intellectual Property Security Agreement]

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first above written.

**GRANTOR:**

AKADEUM LIFE SCIENCES, INC.

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Address for Notices:

\_\_\_\_\_

Attn:

Fax #:

Phone #:

**SECURED PARTY:**

WTI FUND X, INC.

By: Maurice Werdegar \_\_\_\_\_

Name: Maurice Werdegar \_\_\_\_\_

Title: Chairman of the Board \_\_\_\_\_

Address for Notices:

104 La Mesa Dr., Suite 102  
Portola Valley, CA 94028  
Attn: Chief Financial Officer  
Fax # 650-234-4343  
Phone # 650-234-4300



EXHIBIT A

Copyrights

Description

Registration Number

Registration Date

*None*

EXHIBIT B

Patents

Description

Registration/Serial Number

Registration /Application Date

*See attached*



Docket	Type	Status	Filing Date	Application No.	Publication No.	Patent No.
P01	PRV	Advanced	15-Dec-2014	62/092,019		
P01	PRV2	Advanced	7-Jul-2015	62/189,518		
P01	US	Issued	15-Dec-2015	14/969,446	US-2016-0167061-A1	10,195,547
P01	PCT	Advanced	15-Dec-2015	PCT/US15/65732	WO 2016-100290	
P01	CN	Abandoned	15-Dec-2015	201580075955.6	107206291	
P01	EP	Published	15-Dec-2015	15870844.6	3233232	
P02	PRV	Abandoned	5-Jun-2016	62/345,846		
P02	PRV2	Advanced	9-Jun-2017	62/517,543		
P02	PRV3	Advanced	12-Jan-2018	62/616,647		
P02	US	Issued	11-Jun-2018	16/004,874	US-2018-0290077-A1	11,291,931
P02	US2	Published	14-Feb-2022	17/671,271	US-2022-0161158-A1	
P02	US3	Pending	3-Feb-2023	18/105,429		
P03	PRV	Abandoned	7-Jul-2017	62/529,563		
P03	PRVr	Advanced	9-Jul-2018	62/695,517		
P03	US	Abandoned	9-Jul-2019	16/506,865	US-2020-0009614-A1	
P03	US2	Issued	24-Feb-2022	17/679,688	US-2022-0176407-A1	11,583,893
P03	US3	Pending	13-Jan-2023	18/096,769		
P03	PCT	Advanced	9-Jul-2019	PCT/US19/41070	WO 2020/014273	
P03	CN	Issued	9-Jul-2019	2019800463254	CN 112437692 A	CN112437692B
P03	EP	Pending	9-Jul-2019	19834068.9	EP3820588	
P03	JP	Issued	9-Jul-2019	2021-500884	2021-530226	7189314
P04	cPRV	Abandoned	13-Oct-2020	63/091,152		
P04	cPRV3	Advanced	26-May-2022	63/346,202		
P04	PRV2	Advanced	26-Aug-2021	63/237,498		
P04	US	Published	26-Aug-2022	17/896,800	US-2023-0064934-A1	
P04	PCT	Published	26-Aug-2022	PCT/US22/41712	WO 2023/028329	
P05	cPRV	Abandoned	13-Oct-2020	63/091,215		
P06	PRV	Advanced	1-Apr-2022	63/326,446		
P06	PRV2	Advanced	21-Dec-2022	63/434,363		
P06	US	Pending	24-Feb-2023	18/114,130		
P06	PCT	Pending	24-Feb-2023	PCT/US23/13857		
P07	PRV	Pending	14-Feb-2023	63/445,391		

EXHIBIT C

Trademarks

Description


U.S. Registration/Application Number

Registration/Application Date

*See attached*

CONTACT: Brandon McNaughton: [brandon@akadeum.com](mailto:brandon@akadeum.com)

**AKADEUM LIFE SCIENCES, INC.**  
**DOMESTIC TRADEMARKS**

APP. NO.	REG. NO.	MARK	APP OR REG. DATE	CLASSES
97566103		AKADEUM LIFE SCIENCES 	APPLICATION DATE: 08/26/2022	IC 001: Chemical reagents for scientific and research use; chemicals, namely, buffer and standard solutions used in analytical chemistry; specifically for use in cell isolation and removal of dead cells; reagents used in cell selection for scientific and research use. IC 005: Chemical reagents for medical purposes; reagents for medical use. IC 010: Sample preparation device for medical diagnostic uses; cell isolation devices for medical diagnostics.
97566104			APPLICATION DATE: 08/26/2022	same as above

**NOT FILED TRADEMARKS**

MARK	CLASSES	SEARCH TYPE	DATE
MICROBUBBLES	001, 005, 042, 044	KO	07/18/2022
CESCA THERAPEUTICSX-BACS	001, 005, 042, 044	KO	07/15/2022

TRADEMARK

REEL: 008108 FRAME: 0141

RECORDED: 06/23/2023