

## TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

ETAS ID: TM430093

<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>
APPLIED PROTEOMICS, INC.		07/01/2016	Corporation: DELAWARE
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	PACIFIC WESTERN BANK		
<b>Street Address:</b>	406 BLACKWELL STREET		
<b>Internal Address:</b>	SUITE 240		
<b>City:</b>	DURHAM		
<b>State/Country:</b>	NORTH CAROLINA		
<b>Postal Code:</b>	27701		
<b>Entity Type:</b>	STATE CHARTERED BANK: CALIFORNIA		
<b>PROPERTY NUMBERS Total: 4</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
<b>Serial Number:</b>	86721737	SIMPLIPRO	
<b>Serial Number:</b>	86751990	O	
<b>Serial Number:</b>	86751985	SIMPLIPRO COLON	
<b>Serial Number:</b>	86727574	SIMPLIPRO COLON	
<b>CORRESPONDENCE DATA</b>			
<b>Fax Number:</b>	9193541278		
<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>	(919) 314-3114		
<b>Email:</b>	diligencereview@square1bank.com		
<b>Correspondent Name:</b>	PACIFIC WESTERN BANK		
<b>Address Line 1:</b>	406 BLACKWELL STREET		
<b>Address Line 2:</b>	SUITE 240		
<b>Address Line 4:</b>	DURHAM, NORTH CAROLINA 27701		
<b>NAME OF SUBMITTER:</b>	NICHOLAS NANCE		
<b>SIGNATURE:</b>	/NICHOLASNANCE-JLT/		
<b>DATE SIGNED:</b>	06/06/2017		
<b>Total Attachments: 6</b>			

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## **INTELLECTUAL PROPERTY SECURITY AGREEMENT**

**THIS INTELLECTUAL PROPERTY SECURITY AGREEMENT** (this “*Agreement*”) is entered into as of July 1, 2016 by and between **PACIFIC WESTERN BANK**, a California state chartered bank (“*Bank*”) and **APPLIED PROTEOMICS, INC.**, a Delaware corporation (“*Grantor*”).

### **RECITALS**

**A.** Bank 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 that certain Loan and Security Agreement by and between Bank and Grantor dated as of July 31, 2014 (as the same may be amended, modified or supplemented from time to time, the “Loan Agreement”; capitalized terms used herein but not defined are used as defined in the Loan Agreement).

**B.** Bank is willing to extend and to continue to extend financial accommodations to Grantor, but only upon the condition, among others, that Grantor shall grant to Bank a security interest in certain Copyrights, Trademarks and Patents to secure the obligations of Grantor under the Loan Agreement.

**C.** Pursuant to the terms of the Loan Agreement, Grantor has granted to Bank a security interest in all of Grantor’s right, title and interest, whether presently existing or hereafter acquired, in, to and under all of the Collateral.

**NOW, THEREFORE**, for good and valuable consideration, receipt of which is hereby acknowledged, and intending to be legally bound, as collateral security for the prompt and complete payment when due of its obligations under the Loan Agreement and the other Loan Documents, Grantor hereby represents, warrants, covenants and agrees as follows:

### **AGREEMENT**

To secure its Obligations to Bank, Grantor grants and pledges to Bank a security interest in all of Grantor’s right, title and interest in, to and under the Intellectual Property (including without limitation those Copyrights, Patents and Trademarks listed on Exhibits A, B and C hereto), and including without limitation all proceeds thereof (such as, by way of example but not by way of limitation, license royalties and proceeds of infringement suits), the right to sue for past, present and future infringements, all rights corresponding thereto throughout the world and all re-issues, divisions, continuations, renewals, extensions and continuations-in-part thereof.

This security interest is granted in conjunction with the security interest granted to Bank under the Loan Agreement. The rights and remedies of Bank with respect to the security interest granted hereby are in addition to those set forth in the Loan Agreement and the other Loan Documents, and those which are now or hereafter available to Bank as a matter of law or equity. Each right, power and remedy of Bank provided for herein or in the Loan Agreement or any of the Loan Documents, or now or hereafter existing at law or in equity shall be cumulative and concurrent and shall be in addition to every right, power or remedy provided for herein and the

exercise by Bank of any one or more of the rights, powers or remedies provided for in this Intellectual Property Security Agreement, the Loan Agreement or any of the other Loan Documents, or now or hereafter existing at law or in equity, shall not preclude the simultaneous or later exercise by any person, including Bank, of any or all other rights, powers or remedies.

Grantor represents and warrants that Exhibits A, B, and C attached hereto set forth any and all intellectual property rights in connection to which Grantor has registered or filed an application with either the United States Patent and Trademark Office or the United States Copyright Office, as applicable.

**SIGNATURE PAGE FOLLOWS**

IN WITNESS WHEREOF, each party has caused this Intellectual Property Security Agreement to be duly executed by an officer thereunto duly authorized as of the first date written above.

**GRANTOR:**

Address of Grantor:

3545 John Hopkins Court, Suite 150  
San Diego, CA 92121

**APPLIED PROTEOMICS, INC.**

By: Peter Muen

Name: PETER MUEN

Title: CEO

**BANK:**

Address of Bank:

406 Blackwell Street, Suite 240  
Durham, NC 27701  
Attn: Loan Documentation Department

**PACIFIC WESTERN BANK**

By: Andrew Yarborough

Name: Andrew Yarborough

Title: ATT



**EXHIBIT A**  
**COPYRIGHTS**

<b>Description</b>	<b>Registration Number</b>	<b>Registration Date</b>
None		

**EXHIBIT B****PATENTS**

<b>Description</b>	<b>Application Number OR Patent Number</b>	<b>Application OR Filing Date</b>
Positive selection of serum proteins for proteomic analysis	7955810	6/7/2011
Method for evaluation of presence of or risk of colon tumors <i>*Abandoned</i>	14/094594	8/21/2014
Method for evaluation of presence of or risk of colon tumors	14/526181	4/23/2015
Method for evaluation of presence of or risk of colon tumors	14/526221	4/23/2015
Method for evaluation of presence of or risk of colon tumors <i>*Abandoned</i>	14/526265	4/23/2015
Method for evaluation of presence of or risk of colon tumors	14/526282	4/23/2015
Multi-scale complex systems transdisciplinary analysis of response to therapy	14/826049	8/13/2015
Protein biomarker panels for detecting colorectal cancer and advanced adenoma	15/094767	4/8/2016

**EXHIBIT C**  
**TRADEMARKS**

<b>Description</b>	<b>Registration/ Application Number</b>	<b>Registration/ Application Date</b>
SIMPLIPRO	86721737	8/11/2015
	86751990	9/9/2015
	86751985	9/9/2015
SIMPLIPRO COLON	86727574	8/17/2015