

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4732128

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	SECURITY INTEREST
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ENTOGENETICS, INC.	11/28/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	FFI-WINTERFIELD, LLC
<b>Street Address:</b>	4517 RANDOLPH ROAD
<b>Internal Address:</b>	ATTN: ABRAHAM LUSKI, MANAGER
<b>City:</b>	CHARLOTTE
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28211
<b>Name:</b>	TWIN PRIME CONJECTURE, LLC
<b>Street Address:</b>	8221 WINDSOR VIEW TERRACE
<b>City:</b>	POTOMAC
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20854
<b>Name:</b>	EGI VENTURE, LLC
<b>Street Address:</b>	4517 RANDOLPH ROAD
<b>City:</b>	CHARLOTTE
<b>State/Country:</b>	NORTH CAROLINA
<b>Postal Code:</b>	28211
<b>Name:</b>	NIEDERMAYER-ROSS INVESTMENT GROUP, LLC
<b>Street Address:</b>	4800 HAMPDEN LANE
<b>Internal Address:</b>	ATTN: ROY NIEDERMAYER
<b>City:</b>	BETHESDA
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20814
<b>Name:</b>	WAYNE D EIG
<b>Street Address:</b>	13 MAPLEWOOD PARK COURT
<b>City:</b>	BETHESDA
<b>State/Country:</b>	MARYLAND
<b>Postal Code:</b>	20814

**PROPERTY NUMBERS Total: 2**

Property Type	Number
Patent Number:	9131671
Patent Number:	9826723

**CORRESPONDENCE DATA****Fax Number:** (301)654-7354*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.***Phone:** 301-951-4456**Email:** rniedermayer@gmail.com**Correspondent Name:** ROY NIEDERMAYER**Address Line 1:** 4800 HAMPDEN LANE**Address Line 2:** SIXTH FLOOR**Address Line 4:** BETHESDA, MARYLAND 20817**NAME OF SUBMITTER:** ROY NIEDERMAYER**SIGNATURE:** /s/ Roy Niedermayer**DATE SIGNED:** 12/13/2017 This document serves as an Oath/Declaration (37 CFR 1.63).**Total Attachments: 7**

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## PATENT SECURITY AGREEMENT

This PATENT SECURITY AGREEMENT ("**Patent Security Agreement**"), dated as of November 28, 2017, is made by and among ENTOGENETICS, LLC, a North Carolina limited liability company (the "**Borrower**") in favor of FFI-Winterfield, LLC, a North Carolina limited liability company, Twin Prime Conjecture LLC, a Maryland limited liability company, EGI Venture LLC, a North Carolina limited liability company and Niedermayer-Ross Investment Group, LLC, a Maryland limited liability company, the lenders and secured parties under the Loan Agreement referred to below (collectively, the "**Lenders and Secured Parties**").

WHEREAS, the Borrower has entered into a Convertible Promissory Note dated July 1, 2014 (the "**Loan**") with the Lenders and Secured Parties hereto.

WHEREAS, as a condition precedent to the making of the Loan by the Lenders and Secured Parties, the Grantor has executed and delivered to the Lenders and Secured Parties, this certain Patent Security Agreement dated as of October 7, 2015 made by and among the Grantor and the Lenders and Secured Parties (the "**Patent Security Agreement**").

WHEREAS, under the terms of the Security Agreement, the Grantor has granted to the Lenders and **Secured Parties**, a security interest in, among other property, certain intellectual property of the Grantor, and have agreed to execute and deliver this Patent Security Agreement, for recording with national, federal and state government authorities, including, but not limited to, the United States Patent and Trademark Office.

WHEREAS, the Lender and Secured Parties have advanced additional funds pursuant to the Loan.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each Grantor agrees with the Collateral Agent as follows:

1. Grant of Security. The Grantor hereby pledges and grants to the Lenders and Secured Parties for their ratable benefit a security interest in and to all of the right, title and interest of such Grantor in, to and under the following (the "**Patent Collateral**"):

(a) the patents and patent applications set forth in Schedule 1 hereto and all reissues, divisions, continuations, continuations-in-part, renewals, extensions and reexaminations thereof and amendments thereto (the "**Patents**");

(b) all rights of any kind whatsoever of such Grantor accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions and otherwise throughout the world;

(c) any and all royalties, fees, income, payments and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

(d) any and all claims and causes of action, with respect to any of the foregoing, whether occurring before, on or after the date hereof, including all rights to and claims for damages, restitution and injunctive and other legal and equitable relief for past, present and future infringement, misappropriation, violation, misuse, breach or default, with the right but no obligation to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

2. Recordation. The Grantor authorizes the Commissioner for Patents and any other government officials to record and register this Patent Security Agreement upon request by the Collateral Agent.

3. Loan Documents. This Patent Security Agreement has been entered into pursuant to and in conjunction with the Loan Agreement, which is hereby incorporated by reference. The provisions of the Loan Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of the Lenders and Secured Parties with respect to the Patent Collateral are as provided by the Loan Agreement, this Patent Security Agreement and related documents, and nothing in this Patent Security Agreement shall be deemed to limit such rights and remedies.

4. Execution in Counterparts. This Patent Security Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page to this Patent Security Agreement by facsimile or in electronic (*i.e.*, "pdf" or "tif" format) shall be effective as delivery of a manually executed counterpart of this Patent Security Agreement.

5. Successors and Assigns. This Patent Security Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.

6. Governing Law. This Patent Security Agreement and any claim, controversy, dispute or cause of action (whether in contract or tort or otherwise) based upon, arising out of or relating to this Patent Security Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of Maryland, without giving effect to any choice or conflict of law provision or rule (whether of the State of Maryland or any other jurisdiction).

IN WITNESS WHEREOF, the Grantor has caused this Patent Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

**BORROWER:**

ENTOGENETICS, INC.

By: 

Name: David L. Brigham

Title: CEO

Address for Notices: PO Box 473756  
Charlotte, NC 28247

**LENDERS AND SECURED  
PARTIES**

FFI-WINTERFIELD, LLC

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

Name:

Title:

Address for Notices:  
4517 Randolph Road  
Charlotte, NC 28211

TWIN PRIME CONJECTURE  
LLC

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

Name: Robert Bogin

Title: Managing Member

Address for Notices:  
8221 Windsor View Terrace  
Potomac, MD 20854

IN WITNESS WHEREOF, the Grantor has caused this Patent Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

**BORROWER:**

ENTOGENETICS, INC.

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

Name:

Title:

Address for Notices:

**LENDERS AND SECURED  
PARTIES**

FFI-WINTERFIELD LLC

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

Name: Isaac Luski

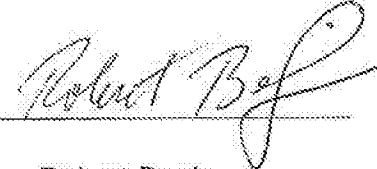
Title: manager

Address for Notices:

4517 Randolph Road

Charlotte, NC 28211

TWIN PRIME CONJECTURE  
LLC

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

Name: Robert Bogin

Title: Managing Member

Address for Notices:

8221 Windsor View Terrace

Potomac, MD 20854

EGI VENTURE LLC

By: Ellie Valenstein

Name: Ellie Valenstein

Title: Manager

Address for Notices:

4517 Randolph Rd.  
Charlotte, NC 28211

NIEDERMAYER-ROSS  
INVESTMENT GROUP, LLC

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

Name: Roy Niedermayer

Title: Managing Member

Address for Notices:

4800 Hampden Lane, 6<sup>th</sup> Floor  
Bethesda, MD 20814

\_\_\_\_\_  
Name: Wayne D. Eig

Address for Notices:

13 Maplewood Park Court  
Bethesda, MD 20814

EGI VENTURE LLC

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

Name:

Title:

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4517 Randolph Road  
Charlotte, NC 28211


NIEDERMAYER-ROSS  
INVESTMENT GROUP, LLC

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

Name: Roy Niedermayer

Title: Managing Member

Address for Notices:  
4800 Hampden Lane, 6<sup>th</sup> Floor  
Bethesda, MD 20814

\_\_\_\_\_  
Name: Wayne D. Eig

Address for Notices:  
13 Maplewood Park Court  
Bethesda, MD 20814



## **SCHEDULE 1**

### **PATENTS AND PATENT APPLICATIONS**

1. United States Patent and Trademark Office Patent #9131671 issued September 15, 2015
2. United States Patent and Trademark Office Patent #9826723 issued November 28, 2017
3. United States Patent and Trademark Office Patent Application 14/843,363