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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4209913

SUBMISSION TYPE:		NEW ASSIGNMENT			
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT		
CONVEYING PARTY D	ΑΤΑ				
		Name		Execution Date	
FOREST LABORATORI	ES HOLD	NGS LIMITED		06/12/2014	
RECEIVING PARTY DA	TA				
Name:	TREVE	NA, INC.			
Street Address:	1018 W	EST 8TH AVENUE			
Internal Address:	SUITE A	4			
City:	KING O	F PRUSSIA			
State/Country:	PENNS	YLVANIA			
Postal Code:	19406				
PROPERTY NUMBERS Property Type		Number			
Application Number:		14715595			
CORRESPONDENCE D	ΑΤΑ				
	,	267)430-7015			
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ASSIGNMENT

I, Charles S. Ryan, authorized to act on behalf of FOREST LABORATORIES HOLDINGS LTD., a Corporation with an address at 18 Parliament Street, Milner House, Hamilton, Bermuda HM12 (hereinafter "ASSIGNOR") in consideration of the sum of ten dollars (\$10.00) or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by TREVENA, INC., a Delaware corporation and having its principal offices at 1018 West 8th Avenue, Suite A, King of Prussia, Pennsylvania (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **throughout the world** in and to the Invention entitled:

SYNTHESIS OF BETA-ARRESTIN EFFECTORS

described in U.S. Provisional Application No. 62/000,329 filed on May 19, 2014 and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, said interest being our entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as our agent to sign all such papers and to do all such necessary acts

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PATENT REEL: 040842 FRAME: 0464

on our behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commissioner of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: June 12, 2014

By: Name: Charles S. Ry

Name: Charles 5. Rau

Title: Sr. Vice President, Chief IP Counsel

State of New York County of Suffolk

On this 12 day of 50, 2014, before me, the undersigned notary public, personally appeared 50, 20, proved to me through satisfactory evidence of identification which were N_{5} drives licence, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

fary Public 9/13/14 My Commission Expires:

JENNIFER L. BOTTEGO Notary Public, State of New York No. 01B04969345 Qualified in Suffolk County Commission Expires 913114

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PATENT REEL: 040842 FRAME: 0465

ACCEPTANCE BY ASSIGNEE

In connection with an assignment in any jurisdiction in which an acceptance by ASSIGNEE is required, I hereby accept this assignment on behalf of TREVENA, INC. and I declare under penalty of perjury under the laws of France, and under penalty of the laws of any other jurisdiction before which this document may be presented, that (check all that apply):

- I am an officer of the above-identified ASSIGNEE,
- I have signed this document on behalf of ASSIGNEE with the full authority of its board of directors,

and that all of the foregoing is true and correct.

Dated:

	1, 11/. 00
By:	1th M tingle
Name:	John M. Limongell:
Title:	Sr. Vice President, beneral Courses \$
	Couponate Sandary

State of <u>Pennsylvania</u> County of <u>Montgement</u>

On this 10 day of 30, 2012, before me, the undersigned notary public, personally appeared 30 h 100 h 2012, proved to me through satisfactory evidence of identification which were PA Driveris License, to be the person whose name is signed on this document and who swore or affirmed to me that the contents of the document are truthful and accurate to the best of his/her knowledge and belief.

whisch Notary Public My Commission Expires: 5/21/18

6/16/2014

COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
HEATHER JOHNSON, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires May 21, 2018

PATENT REEL: 040842 FRAME: 0466

RECORDED: 01/04/2017