

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ZACHARY J. REITMAN	03/30/2019
PATRICK J. KILLELA	03/30/2019
RECEIVING PARTY DATA	
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14765692
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DATE SIGNED:	04/03/2019
Total Attachments: 3	
source=Executed Duke Assignment (REITMAN and KILLELA) for non-provisional and provisional app#page1.tif	
source=Executed Duke Assignment (REITMAN and KILLELA) for non-provisional and provisional app#page2.tif	
source=Executed Duke Assignment (REITMAN and KILLELA) for non-provisional and provisional app#page3.tif	

ASSIGNMENT

WHEREAS, we,

Zachary J. REITMAN, with a mailing address at c/o Duke University, 2812 Erwin Road, Suite 306, P.O. Box 90083, Durham, North Carolina 27705; and

Patrick J. KILLELA, with a mailing address at c/o Duke University, 2812 Erwin Road, Suite 306, P.O. Box 90083, Durham, North Carolina 27705

are inventors, along with Hai YAN, Bert VOGELSTEIN, Nickolas PAPADOPOULOS, Kenneth W. KINZLER, Yuchen JIAO, Chetan BETTEGOWDA and Darell D. BIGNER, of certain new and useful inventions and improvements described in a U.S. patent application identified by having the title:

TERT PROMOTER MUTATIONS IN GLIOMAS AND A SUBSET OF TUMORS

Which application

[X] was filed on August 4, 2015 as U.S. Application Serial Number 14/765,692, and also filed on February 18, 2014 as International Application No. PCT/US14/16906, and also filed on March 4, 2013 as U.S. Provisional No. 61/772,249

and WHEREAS

DUKE UNIVERSITY
2812 Erwin Road, Suite 306
P.O. Box 90083
Durham, North Carolina 27705

ASSIGNEE, desires to acquire our entire right, title and interest in and to the said application, inventions and improvements and any patents that may be granted on or as a result thereof in the United States of America (U.S.) and in any and all foreign countries;

NOW, THEREFORE, for good and valuable consideration, receipt of which is hereby acknowledged,

We hereby assign, to the above named ASSIGNEE, its successors, assign and legal representatives (NOMINEES) our entire right, title and interest in and to said application, inventions and IMPROVEMENTS throughout the world and to any and all patents, petty patents and utility model patents which may be granted therefor, and all continuations, continuations-in-

part, divisions, reissues, extensions, renewals, and any non-provisional based on a provisional thereof (LETTERS PATENT).

And we covenant that we have full right to convey our entire interest herein assigned, and that we have not executed and will not execute any agreement or do anything in conflict herewith;

And we further covenant and agree that we will without undue delay execute without further consideration all such papers as may be necessary to perfect the title to said application, inventions and improvements, and LETTERS PATENT in the ASSIGNEE or its NOMINEES, and we agree to communicate to said ASSIGNEE or its NOMINEES all known facts respecting said application, inventions, improvements, and LETTERS PATENT, to testify in any legal proceedings, to sign all lawful papers, and generally to do all things necessary to aid ASSIGNEE or its NOMINEES to obtain and enforce for their own benefit patent protection for said application, inventions and improvements in any and all countries, all at the expense, however, of the ASSIGNEE or its NOMINEES;

And we authorize the ASSIGNEE or its NOMINEES to file in our names or their own, as appropriate, application for LETTERS PATENT in any and all countries of the world, and we authorize and request the Commissioner of Patents and Trademarks of the United States, and any proper official of any country, to issue to said ASSIGNEES or its NOMINEES any and all LETTERS PATENT for said application, inventions and improvements, for their sole use, to the full end of the term for which such LETTERS PATENT may be granted;

And we hereby grant our attorneys at the law firm of Banner & Witcoff the power to insert into this document information sufficient to identify the patent application to which this assignment pertains.

Date: 3/30/2019

Inventor:


Zachary J. REITMAN

Date: _____

Inventor:

Patrick J. KILLELA

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And we hereby grant our attorneys at the law firm of Banner & Witcoff the power to insert into this document information sufficient to identify the patent application to which this assignment pertains.

Date: _____ Inventor: _____
Zachary J. REITMAN

Date: 30 MAR 2019 Inventor: 
Patrick J. KILLELA