

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	ORLY ALTER	02/12/2012
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Property Type	Number	
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DATE SIGNED:	06/18/2019	
Total Attachments: 2		
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ASSIGNMENT

WHEREAS, Orly ALTER, a United States citizen, residing at 343 South East, Suite 409, Salt Lake City, UT 84102 (hereinafter, collectively if more than one assignor, "ASSIGNOR") has invented, conceived, reduced to practice, or otherwise contributed certain technology, inventions, improvements, developments, ideas or discoveries in a GENETIC ALTERATIONS IN GLIOBLASTOMA (collectively hereinafter referred to as the "Work"), for which a U.S. provisional patent application, Serial No. 61,553,870 (hereinafter the "Application") was filed on October 31, 2011;

AND WHEREAS, University of Utah (hereinafter "ASSIGNEE"), a Utah Corporation, with its principal place of business at 201 President's Circle, Salt Lake City, Utah 84112, desires to acquire all right, title, and interest in and to the Work and the Application:

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, the ASSIGNOR does hereby sell, assign, transfer and set over, unto ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in the Work and the Application, and any other intellectual property rights in the Work, including, but not limited to, any trademarks, trade names, copyright rights, know how, trade secrets, copyright registrations, reproduction rights, and waives any and all moral rights in the Work under 17 U.S.C. § 106A or otherwise, for any and all uses of the Work, and any non-provisional patent application(s) claiming priority thereto that have been or may hereafter be filed, such non-provisional patent applications, including divisions, continuations, and continuations-in-parts thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and any Letters Patent or related applications for the Work which may hereafter be granted or filed for in any country or countries foreign to the United States, including all extensions, divisions, reexaminations and reissues thereof; and does hereby authorize and request the Commissioner for Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for the Work to the ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR DOES HEREBY sell, assign, transfer, and convey to ASSIGNEE, its successors, legal representatives, and assigns all claims for damages and all remedies arising out of any violation of the rights assigned hereby that may have accrued prior to the date of assignment to ASSIGNEE, or may accrue hereafter, including, but not limited to, the right to sue for, collect, and retain damages for past infringements of the Letters Patent, before or after issuance.

AND ASSIGNOR DOES HEREBY covenant and agree to provide any tangible property embodying or describing the Work, including without limitation all documents, drawings, prototypes, models, test results, designs, materials, computer programs and data, and the like, which, if not presently in the possession of ASSIGNEE, will be delivered to ASSIGNEE immediately upon request.

AND ASSIGNOR DOES HEREBY covenant and agree to communicate to the ASSIGNEE, its successors, legal representatives and assigns, any facts known to ASSIGNOR respecting the Work, and testify in any legal proceeding, assist in the preparation of any other provisional or non-provisional applications relating to the Work, sign all lawful papers, execute and make all rightful oaths and/or declarations in connection with the Work and the Application including any improvements made

thereto, any non-provisional application(s) filed therefrom, and any continuing application(s) filed from aforementioned non-provisional application(s), and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the Work in all countries and ASSIGNOR does hereby appoint ASSIGNEE as ASSIGNOR's attorney-in-fact for the limited purpose of executing all documents and performing all other acts necessary to give effect and legality to this Assignment.

ASSIGNOR DOES HEREBY acknowledge that, to the best of ASSIGNOR's knowledge, the Work is patentable, and ASSIGNOR further agrees not to take any action challenging or opposing, on any grounds whatsoever, ASSIGNEE'S rights granted under this Agreement, or the validity thereof. No course of conduct or dealing between the parties shall act as an amendment, modification or waiver of any provision of this Agreement, and only an amendment, modification or waiver which is contained in a written agreement signed by both ASSIGNEE and ASSIGNOR shall be effective. Further, this Agreement contains the entire understanding between the parties with respect to the subject matter hereof, and there are no representations, warranties, promises or undertakings other than those contained herein.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 6 day of February 2012

Orly Alter) C/Nc B/K
Orly ALTER

STATE OF Utah }
COUNTY OF Salt Lake } ss.

On 02/06/12, before me, Erica Marie Adamson, (name and title of "Notary Public") personally appeared Orly ALTER personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that she executed the same in her authorized capacity, and that by her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

[SEAL]

Erica Marie Adamson
Notary Signature

