

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Chen Liu | 11/20/2009 |
| David A. Ostrov | 12/01/2009 |
| RECEIVING PARTY DATA | |
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| City: | Gainesville |
| State/Country: | FLORIDA |
| Postal Code: | 32611 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 12500540 |
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| Total Attachments: 5 source=20100112120924802#page1.tif source=20100112120924802#page2.tif source=20100112120924802#page3.tif | |

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ASSIGNMENT BY INVENTORS

THIS ASSIGNMENT, made this _____ day of _____, 2009, by Chen Liu and David A. Ostrov (hereinafter referred to as Assignors), residing at 2838 SW 98th Drive, Gainesville, Florida 32608, and 401 SW 43rd Terrace, Gainesville, Florida 32607, respectively;

WHEREAS, Assignors have invented certain new and useful improvements in COMPOUNDS AND METHODS FOR TREATMENT OF ALPHA-1 ANTITRYPSIN DEFICIENCY, set forth in a Patent application for Letters Patent of the United States, already filed on July 9, 2009 as U.S. Application No. 12/500,540, and

WHEREAS, by virtue of my employment/appointment with the UNIVERSITY OF FLORIDA, I am obligated to assign any rights in the said invention to the UNIVERSITY OF FLORIDA or its designee;

WHEREAS, the UNIVERSITY OF FLORIDA has designated the UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC. (hereinafter referred to as Assignee), existing by virtue of the laws of the State of Florida, and having an office at 223 Grinter Hall, Gainesville, Florida 32611, to be the assignee of the entire right, title and interest in and to the said invention;

WHEREAS, the UNIVERSITY OF FLORIDA RESEARCH FOUNDATION, INC. is desirous of acquiring the entire right, title and interest in and to said inventions and said Application for Letters Patent of the United States, and in and to any Letters Patent of the United States to be obtained therefore and thereon.

NOW, THEREFORE, for good and sufficient consideration, the receipt of which is hereby acknowledged, Assignors have sold, assigned, transferred and set over, and by these presents do sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to the above-mentioned inventions and application for Letters Patent, and in and to any and all direct and indirect divisions, continuations and continuations-in-part of said application, and any and all Letters Patent in the United States and all foreign

countries which may be granted therefor and thereon, and reissues, reexaminations and extensions of said Letters Patent, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by Assignee, for its own use and benefit and the use and benefit of its successors, legal representatives and assigns, to the full end of the term or terms for which Letters Patent may be granted and/or extended, as fully and entirely as the same would have been held and enjoyed by Assignors, had this sale and assignment not been made.

AND for the same consideration, Assignors hereby represent and warrant to Assignee, its successors, legal representatives and assigns, that, at the time of execution and delivery of these presents, except for any rights, titles and/or interests that have arisen to Assignee under law or that have already been transferred to Assignee, Assignors are the sole and lawful owners of the entire right, title and interest in and to the said inventions and application for Letters Patent above-mentioned, and that the same are unencumbered and that Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth.

AND for the same consideration, Assignors hereby covenant and agree to and with Assignee, its successors, legal representatives and assigns, that Assignors will sign all papers and documents, take all lawful oaths and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of any Letters Patent and applications for Letters Patent for said inventions, without charge to Assignee, its successors, legal representatives and assigns, whenever counsel of Assignee, or counsel of its successors, legal representatives and assigns, shall advise: that any proceeding in connection with said inventions, or said Provisional application for Letters Patent, or any proceeding in connection with any Letters Patent or applications for Letters Patent for said inventions in any country, including but not limited to interference proceedings, is lawful and desirable; or, that any division, continuation or continuation-in-part of any application for Letters Patent, or any reissue, reexamination or extension of any Letters Patent, to be obtained thereon, is lawful and desirable.

AND Assignors hereby request the Commissioner of Patent and Trademarks to issue said Letters Patent of the United States to Assignee, as Assignee

of said inventions and the Letters Patent to be issued thereon, for the sole use and benefit of Assignee, its successors, legal representatives and assigns.

AND Assignors hereby grant the following individuals the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document:

EDWARDS ANGELL PALMER & DODGE LLP

All practitioners at Customer Number 21874


AND Assignors acknowledge an obligation of assignment of this invention to Assignee at the time the invention was made.



Chen Liu

Date: 11-20-09

United States of America)
State of Florida) ss.:
County of Machua)

On this 20th day of November, _____, before me
Personally came Chen Liu, to me known to be the individual
Described in and who executed the foregoing instrument, and acknowledged
of the same.

LYNNE B. COLLINS
MY COMMISSION # DD 705394
EXPIRES: August 15, 2011
Bonded Third Budget Notary Services



Notary Public Lynne B. Collins
Personally Known

David A. Ostrov
David A. Ostrov

Date: 12-1-09

United States of America)
State of Florida) ss.:
County of Alachua)

On this 1st day of December, _____, before me
Personally came David A. Ostrov, to me known to be the individual
Described in and who executed the foregoing instrument, and acknowledged
of the same.



LYNNE B. COLLINS
MY COMMISSION # DD 705334
EXPIRES: August 15, 2011
Bonded Thru Budget Notary Services

Lynne B. Collins
Notary Public

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