

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
David F. Gardiner	02/17/2009
Yaoxing Huang	11/20/2008

RECEIVING PARTY DATA

Name:	The Rockefeller University
Street Address:	1230 York Avenue
City:	New York
State/Country:	NEW YORK
Postal Code:	10021-6399

Name:	Cornell University
Street Address:	Cornell Center for Technology, Enterprise & Commercialization
Internal Address:	395 Pine Tree Road, Suite 310
City:	New York
State/Country:	NEW YORK
Postal Code:	14850

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12308150

CORRESPONDENCE DATA

Fax Number: (516)822-3582
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.
 Phone: 516-822-3550
 Email: hbmail@hoffmannbaron.com
 Correspondent Name: Anna C. Chau
 Address Line 1: Hoffmann & Baron, LLP
 Address Line 2: 6900 Jericho Turnpike

CH \$40.00 12308150

Address Line 4: Syosset, NEW YORK 11791

ATTORNEY DOCKET NUMBER:

955-76 PCT US

NAME OF SUBMITTER:

Anna C. Chau

Total Attachments: 4

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ASSIGNMENT

WHEREAS, I, David F. Gardiner, a United States citizen, residing at [insert complete home address], have invented certain new and useful improvements in **CODON-OPTIMIZED DNA MOLECULES ENCODING THE RECEPTOR BINDING DOMAINS OF CLOSTRIDIUM DIFFICILE TOXINS A AND B, AND METHODS OF USE THEREOF** for which an application for Letters Patent in the United States was filed as U.S. Serial No. **12/308,150** on **December 8, 2008**, which is the national phase application of PCT/US2007/013535, which asserts priority to US Provisional Application Serial No. 60/812,489, filed on June 8, 2006;

AND WHEREAS, **Cornell University**, with its principal place of business at **Cornell Center for Technology, Enterprise & Commercialization ("CCTEC"), 395 Pine Tree Road, Suite 310, Ithaca, New York 14850 USA**, is entitled to acquire the entire right, title and interest in and to the said improvements and the said Application:

NOW, THEREFORE, for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, I, the said inventor, do hereby acknowledge that I have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said **Cornell University**, its successors, legal representatives and assigns, the entire right, title and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals, and continuations 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 applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of 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 said improvements to the said **Cornell University**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant and agree that I will communicate to the said **Cornell University**, its successors, legal representatives, and assigns, any facts known to me respecting said improvements and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, and reissue applications, make all rightful oaths and generally do everything possible to aid the said **Cornell University**, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 17th day of February, 2009

David F. Gardiner
David F. Gardiner

STATE OF Pennsylvania
COUNTY OF Montgomery SS:

This 17th day of February, 2009, before me personally came the above-named David F. Gardiner, to me personally known as the individual who executed the same of his/her own free will for the purposes therein set forth.

Debra A. Ballard
Notary Public
Commission expires on _____
COMMONWEALTH OF PENNSYLVANIA
NOTARIAL SEAL
Debra A. Ballard - Notary Public
Collegeville Boro., Montgomery County
MY COMMISSION EXPIRES MAY 01, 2011

Attorney's Docket No.: 955-76 PCT

For: U.S. and/or Foreign Rights
For: U.S. Application;
 U.S. Provisional Application;
 U.S. Patent; or
 PCT Application
By: Inventors or Present Owners

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNORS: (inventor(s) or person(s) or entity(ies) who own the invention)

Yaoxing Huang

Name

2151 72nd Street

Address

Brooklyn, NY 11204

U.S.

Nationality

(If assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO add the following)

Recorded on _____

Reel _____

Frame _____

hereby sells, assigns and transfers to

ASSIGNEE:

The Rockefeller University

(Type or print name of ASSIGNEE)

1230 York Avenue

Address

New York, NY 10021-6399

USA

Assignment of Invention – Page 1 of 3

PATENT
REEL: 022522 FRAME: 0272

Nationality
and the successors, assigns and legal representatives of the ASSIGNEE,

(complete one of the following)

- the entire right, title and interest
 an undivided _____ percent (_____%) interest

for the United States and its territorial possessions

- and in all foreign countries, including all rights to claim priority,

in and to any and all improvements which are disclosed in the invention entitled:

**CODON-OPTIMIZED DNA MOLECULES ENCODING THE RECEPTOR BINDING
DOMAINS OF CLOSTRIDIUM DIFFICILE TOXINS A AND B, AND METHODS OF
USE THEREOF**

and which is found in

(check and complete (a), (b), (c), (d), (e), (f), or (g))

- (a) U.S. patent application executed on even date herewith
(b) U.S. patent application executed on _____
(c) U.S. provisional application naming the above inventor(s) for the above-identified invention.
 Express Mail label No.: _____, mailed: _____
 To comply with 37 CFR 3.21 for recordal of this assignment, I, an ASSIGNOR signing below, hereby authorize and request my attorney to insert below the filing date and application number when they become known
(d) U.S. application Serial No. **60/812,489** filed on **June 8, 2006**
(e) International application No. PCT/**US2007/013535**
(f) U.S. Patent No. _____ issued _____
 A change of address to which correspondence is to be sent regarding patent maintenance fees is being sent separately.
(g) and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any re-issue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the

