

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
BYUNG-KWON CHOI	04/02/2014
STEPHEN R. HAMILTON	04/02/2014
NATARAJAN SETHURAMAN	04/02/2014
RECEIVING PARTY DATA	
Name:	MERCK SHARP & DOHME CORP.
Street Address:	126 EAST LINCOLN AVENUE
City:	RAHWAY
State/Country:	NEW JERSEY
Postal Code:	07065
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14354160
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ATTORNEY DOCKET NUMBER:	23162
NAME OF SUBMITTER:	JILL FILIPPONE
SIGNATURE:	/Jill Filippone/
DATE SIGNED:	04/25/2014
Total Attachments: 3	
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WORLDWIDE ASSIGNMENT

WHEREAS, I/WE,

- (1) Byung-Kwon Choi, located at Norwich, VT,
- (2) Stephen R. Hamilton, located at Enfield, NH,
- (3) Natarajan Sethuraman, located at Hanover, NH,

(hereinafter ASSIGNOR(S)), are the inventors of the invention described in an application for Patents having the Attorney Docket Number indicated above and the following Title of the Invention:

METHODS FOR INCREASING N-GLYCAN OCCUPANCY AND REDUCING PRODUCTION OF HYBRID N-GLYCANS IN PICHIA PASTORIS STRAINS LACKING ALG3 EXPRESSION

and/or in the following application(s):

U.S. Provisional Application No.61/679,212, filed on August 3, 2012;
U.S. Provisional Application No. 61/552,720, filed on October 28, 2011; and
PCT International Application No. PCT/US12/61428 having a filing date of October 23, 2012.

WHEREAS I/WE covenant that the rights and property herein conveyed are free and clear of any encumbrance, and that I/we have the full right to convey the same as herein expressed.

WHEREAS, Merck Sharp & Dohme Corp., a corporation organized under the laws of the State of New Jersey, having an office at 126 East Lincoln Avenue, Rahway, New Jersey 07065, and its successors, assigns and legal representatives (hereinafter **ASSIGNEE**), is desirous of obtaining the entire right, title and interest in, to and under the invention disclosed in said application or applications;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, I/we, said ASSIGNOR(S), do each hereby sell, assign and transfer or confirm the grant and assignment to said **ASSIGNEE** my/our entire right, title and interest in all countries of the world in and to my/our invention described in said application for Patents, in and to the right to file patent applications in the name of **ASSIGNEE**, its designee, or in any or all of our names, at its election, on the aforesaid invention in all countries of the world, together with all rights of priority in the aforesaid countries deriving from the above-identified application for Patents under the International Convention for the Protection of Industrial Property, under the Inter-American Convention relating to Inventions, Patents, Designs and Industrial Models and under any other international arrangement relating to patents or intellectual property, in and to any and all Letters Patent that are granted from the aforesaid application for Patents, in and to any applications claiming priority benefits to a provisional patent application or other applications filed on said invention, and in and to any continuations, divisions, reexaminations, reissues, renewals and extensions thereof of any of said Letters Patent, the same to be held and enjoyed by said **ASSIGNEE**, to the full ends of the terms for which all Letters Patent therefore may be granted, 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 I/WE HEREBY covenant and agree that we will at any time, upon the request and at the expense of **ASSIGNEE**, without further compensation or charge to said **ASSIGNEE**, execute and deliver any and all documents that may be necessary or desirable to perfect the title to the foregoing invention, patent applications, and Letters Patent and continuations, divisions, reexaminations, reissues, renewals and extensions thereof in the name of **ASSIGNEE**, including the execution and procurement of any and all further documents evidencing this assignment and sale as may be necessary or desirable for recording the same in the Patent Office of any country concerned, and will make all rightful oaths and declarations and do all lawful acts requisite for procuring the same or for aiding therein.

I/WE HEREBY authorize **ASSIGNEE** to insert in this instrument the Application Number(s) and the filing date(s) of said application for Patents when officially notified thereof.

This document may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such components shall together constitute but one and the same document.

Executed this 02 day of April, 2014

Byung-Kwon Choi

Byung-Kwon Choi

ACKNOWLEDGEMENT

State New Hampshire of New Hampshire) s.s.:
County of Srafton)

On this 2 day of April, 2014, personally appeared before me **Byung-Kwon Choi** to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Christine Makris-Kempie
Notary Public

MY COMMISSION EXPIRES
FEBRUARY 16, 2016

Executed this 2 day of April, 2014

Stephen R. Hamilton
Stephen R. Hamilton

ACKNOWLEDGEMENT

State New Hampshire of New Hampshire) s.s.:
County of Srafton)

On this 2 day of April, 2014, personally appeared before me **Stephen R. Hamilton** to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Christine Makris-Kempie
Notary Public

MY COMMISSION EXPIRES
FEBRUARY 16, 2016

Executed this 2 day of April, 2014

Natarajan Sethuraman
Natarajan Sethuraman

ACKNOWLEDGEMENT

State New Hampshire of Grafton) s.s.:
County of Grafton)

On this 2 day of April, 2014, personally appeared before me **Natarajan Sethuraman** to me known, and known by me to be the same person(s) described in and who executed the foregoing instrument, and acknowledged that he (she) executed the same, of his (her) own free will for the purpose set forth.

(Seal)

Christopher Maxim McKemie
Notary Public

MY COMMISSION EXPIRES
FEBRUARY 16, 2016