

## PATENT ASSIGNMENT

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Ajit Varki</td> <td>01/19/2011</td> </tr> <tr> <td>Anna Maria Hedlund</td> <td>01/20/2011</td> </tr> <tr> <td>Dzung Nguyen</td> <td>01/19/2011</td> </tr> </tbody> </table>		Name	Execution Date	Ajit Varki	01/19/2011	Anna Maria Hedlund	01/20/2011	Dzung Nguyen	01/19/2011		
Name	Execution Date										
Ajit Varki	01/19/2011										
Anna Maria Hedlund	01/20/2011										
Dzung Nguyen	01/19/2011										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>The Regents of the University of California</td> </tr> <tr> <td>Street Address:</td> <td>1111 Franklin Street, 12th Floor</td> </tr> <tr> <td>City:</td> <td>Oakland</td> </tr> <tr> <td>State/Country:</td> <td>CALIFORNIA</td> </tr> <tr> <td>Postal Code:</td> <td>94607-5200</td> </tr> </table>		Name:	The Regents of the University of California	Street Address:	1111 Franklin Street, 12th Floor	City:	Oakland	State/Country:	CALIFORNIA	Postal Code:	94607-5200
Name:	The Regents of the University of California										
Street Address:	1111 Franklin Street, 12th Floor										
City:	Oakland										
State/Country:	CALIFORNIA										
Postal Code:	94607-5200										
PROPERTY NUMBERS Total: 1											
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13528507</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13528507						
Property Type	Number										
Application Number:	13528507										
CORRESPONDENCE DATA											
<p>Fax Number: 4159570279</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 4159575935</p> <p>Email: aaeverson@medlencarroll.com, rldalton@medlencarroll.com, docketing@medlencarroll.com</p> <p>Correspondent Name: Medlen and Carroll, LLP</p> <p>Address Line 1: 703 Market Street, Suite 340</p> <p>Address Line 4: San Francisco, CALIFORNIA 94103</p>											
ATTORNEY DOCKET NUMBER:	UCSD-17377										
NAME OF SUBMITTER:	Abby Everson										

502078737

PATENT  
 REEL: 029047 FRAME: 0343

OP \$40.00 13528507

This document serves as an Oath/Declaration (37 CFR 1.63).

**Total Attachments: 4**

source=assign16690final#page1.tif

source=assign16690final#page2.tif

source=assign16690final#page3.tif

source=1595UCSD17377tchfinal#page1.tif

In accordance with C.F.R. 1.63(d)(iv), the attached Assignment is to be used for Divisional Appln  
Entitled: Elimination of N-Glycolyneuraminic  
Acid From Mammalian Products for Human  
Use, Filed: 06/20/2012, :UCSD-17377

**PATENT**  
Attorney Docket No.: UCSD-16690/2805-246

## ASSIGNMENT

WHEREAS, We, Ajit Varki, Anna Maria Hedlund and Dzung Nguyen, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent;

Title of Invention: **Elimination Of N-Glycolyneuraminic  
Acid From Animal Products For Human  
Use**

Filing (371c) Date: 11/16/2009

Serial No.: 12/600,378

WHEREAS, The Regents of The University of California, 1111 Franklin Street, 12<sup>th</sup> Floor, Oakland, California 94607-5200, herein after referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

Ajit Varki

Date

*Ajit Varki*  
January 19, 2011

Anna Maria Hedlund

Date

Dzung Nguyen

Date

PATENT

REEL: 029047 FRAME: 0345

In accordance with C.F.R. 1.63(d)(iv), the attached  
Assignment is to be used for Divisional Appln  
Entitled: **Elimination of N-Glycolyneuraminic  
Acid From Mammalian Products for Human  
Use**, Filed: 06/20/2012, :UCSD-17377

**PATENT**  
Attorney Docket No.: UCSD-16690/2005-246

## ASSIGNMENT

WHEREAS, We, Ajit Varki, Anna Maria Hedlund and Dzung Nguyen, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **Elimination Of N-Glycolyneuraminic  
Acid From Animal Products For Human  
Use**

Filing (371c) Date: 11/16/2009

Serial No.: 12/600,378

WHEREAS, The Regents of The University of California, 1111 Franklin Street, 12<sup>th</sup> Floor, Oakland, California 94607-5200, herein after referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;

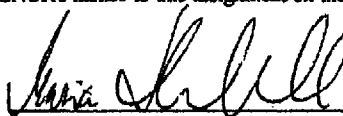
NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

\_\_\_\_\_  
Ajit Varki

\_\_\_\_\_  
Date

  
Anna Maria Hedlund

Jan 20, 2011  
Date

\_\_\_\_\_  
Dzung Nguyen

\_\_\_\_\_  
Date

**PATENT**

REEL: 029047 FRAME: 0346

In accordance with C.F.R. 1.63(d)(iv), the attached  
Assignment is to be used for Divisional Appln  
Entitled: **Elimination of N-Glycolyneuraminic  
Acid From Mammalian Products for Human  
Use**, Filed: 06/20/2012, :UCSD-17377

**PATENT**  
Attorney Docket No.: UCSD-16690/2005-246

## ASSIGNMENT

WHEREAS, We, Ajit Varki, Anna Maria Hedlund and Dzung Nguyen, hereinafter referred to as "ASSIGNOR", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention:       **Elimination Of N-Glycolyneuraminic  
Acid From Animal Products For Human  
Use**

Filing (371c) Date: 11/16/2009


Serial No.:           12/600,378

WHEREAS, The Regents of The University of California, 1111 Franklin Street, 12<sup>th</sup> Floor, Oakland, California 94607-5200, herein after referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in said invention and application and in any Letters Patent which may be granted on the same;


NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to ASSIGNOR by ASSIGNEE and other good and valuable consideration, receipt of which is hereby acknowledged, ASSIGNOR has sold, assigned and transferred, and by these presents does sell, assign and transfer unto said ASSIGNEE, and ASSIGNEE's successors and assigns, all right, title and interest in and to said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNOR had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNOR further agrees that ASSIGNOR will, without charge to said ASSIGNEE, but at ASSIGNEE's expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications; execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof; and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE's successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto signed ASSIGNOR's names to this assignment on the date indicated below.

Ajit Varki	Date
	01/19/11
Dzung Nguyen	Date

Anna Maria Hedlund	Date
--------------------	------

Form PTO-1595	RECORDATION FORM COVER SHEET <b>PATENTS ONLY</b>		U.S. Department of Commerce Patent and Trademark Office
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.			
1. Name of conveying party(ies): <b>Varki, Ajit</b> <b>Hedlund, Anna Maria</b> <b>Nguyen, Dzung</b>		2. Name and address of receiving party(ies): <b>The Regents of the University of California</b> <b>1111 Franklin Street, 12<sup>th</sup> Floor</b> <b>Oakland, California 94607-5200</b>	
Additional name(s) of conveying party(ies) attached? <b>No</b>		Additional name(s) & address(es) attached? <b>No</b>	
3. Nature of conveyance: Assignment Execution Date: <b>01/19/2011</b> <b>01/20/2011</b> <b>01/19/2011</b>			
4. Title of Invention: <b>Elimination of N-Glycolyneuraminic Acid From Mammalian Products for Human Use</b>			
A. New Patent Application No.(s): <b>13/528,507</b>		B. Patent No.(s): <b>N.A.</b>	
Additional numbers attached? <b>No</b>			
5. Name and address of party to whom correspondence concerning document should be mailed:  <b>Peter G. Carroll</b> <b>MEDLEN &amp; CARROLL, LLP</b> <b>703 Market Street, Suite 340</b> <b>San Francisco, California 94103</b>		6. Total number of applications and patents involved: <b>1</b>  7. Total fee(s): Payment in the amount of <b>\$40</b> is submitted (\$40 Recordation fee).  8. Deposit Account Authorization: The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. <b>08-1290</b> .	
<b>DO NOT USE THIS SPACE</b>			
9. Statement and Signature: <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i>			
Date: <u>September 28, 2012</u>		Signature:  Name: <b>Thomas C. Howerton</b> Reg. No.: <b>48, 650</b>	