

## 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>Matthew Jacob Powell</td> <td>12/14/2009</td> </tr> <tr> <td>Trust Tariro Razunguzwa</td> <td>12/11/2009</td> </tr> <tr> <td>George Augustine O'Doherty</td> <td>12/14/2009</td> </tr> <tr> <td>Miaosheng Li</td> <td>12/14/2009</td> </tr> </tbody> </table>		Name	Execution Date	Matthew Jacob Powell	12/14/2009	Trust Tariro Razunguzwa	12/11/2009	George Augustine O'Doherty	12/14/2009	Miaosheng Li	12/14/2009
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RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Protea Biosciences, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>955 Hartman Run Road</td> </tr> <tr> <td>City:</td> <td>Morgantown</td> </tr> <tr> <td>State/Country:</td> <td>WEST VIRGINIA</td> </tr> <tr> <td>Postal Code:</td> <td>26501</td> </tr> </table>		Name:	Protea Biosciences, Inc.	Street Address:	955 Hartman Run Road	City:	Morgantown	State/Country:	WEST VIRGINIA	Postal Code:	26501
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (412)355-6501</p> <p>Phone: 412-355-6338</p> <p>Email: PIUSPATENTS@KLGATES.COM</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: K&amp;L Gates LLP - Michael E. Dukes</p> <p>Address Line 1: 210 SIXTH AVENUE</p> <p>Address Line 2: K&amp;L Gates Center</p> <p>Address Line 4: PITTSBURGH, PENNSYLVANIA 15222-2613</p>											
ATTORNEY DOCKET NUMBER:	080656DIVCON2										
NAME OF SUBMITTER:	Michael E. Dukes										
<p>Total Attachments: 2</p> <p>source=Copy-of-Assignment#page1.tif</p> <p>source=Copy-of-Assignment#page2.tif</p>											

CH \$40.00 13532166

For: ☒ U.S. and/or ☒ Foreign Rights  
For: ☒ U.S. Application or  
☐ U.S. Provisional Application  
For: ☐ U.S. Patent  
For: ☐ PCT Application  
By: Multiple Inventors

Serial No. 12/454,742Filing Date: May 22, 2009

## ASSIGNMENT OF INVENTION (MULTIPLE INVENTORS)

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 (Inventors):

Matthew Jacob Powell  
(type or print name of inventors)

17 West 2<sup>nd</sup> Street  
Westover, WV 26501 USA  
Address Nationality

Trust Tariro Razunguzwa

112 Donna Avenue  
Morgantown, WV 26505 ZW

George Augustine O'Doherty

16 River Ridge Estate  
Morgantown, WV 26501 USA

Miaosheng Li

482 Wilson Avenue, Apartment A  
Morgantown, WV 26501 CN

hereby sell, assign and transfer to

## ASSIGNEE:

Prolea Biosciences, Inc.  
(type or print name of ASSIGNEE)

955 Hartman Run Road  
Address

(a West Virginia corporation)

Morgantown, WV 26507

and the successors, assigns and legal representatives of the ASSIGNEE

☒ the entire right, title and interest

☒ and in all foreign countries, including all rights to claim priority both in the United States and in all foreign countries, in and to any and all improvements which are disclosed in the invention entitled:

ANIONIC ACID-LABILE SURFACTANTS AND METHODS OF USE

and which is found in:

(a) ☐ U.S. patent application executed on even date herewith;

(b) ☒ U.S. application no.: 12/454,742 filed on May 22, 2009.

(Assignment of Invention-Multiple Inventors-page 1)

and any legal equivalent thereof in a foreign country, including the right to claim priority both in the United States and in all foreign countries and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, non-provisional, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNORS hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNORS further covenant 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 same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal this 12/14/09 Date of signing

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Matthew Jacob Powell  
(type name of Inventor)

Matthew J Powell 12/14/09  
Signature of INVENTOR Date

Trust Tariro Razunguzwa  
(type name of Inventor)

Trust Tariro Razunguzwa 12/11/2009  
Signature of INVENTOR Date

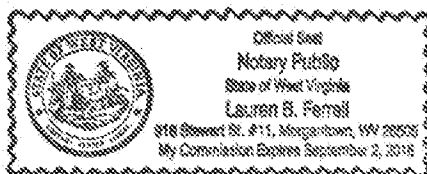
George Augustine O'Doherty  
(type name of Inventor)

George O'Doherty 12-14-09  
Signature of INVENTOR Date

Miaosheng Li  
(type name of Inventor)

Miaosheng Li 12/14/2009  
Signature of INVENTOR Date

☐ Notarization or Legalization Page Added.



Lauren B. Ferrell