

PATENT ASSIGNMENT

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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>Zhiquan Zhang</td> <td>07/08/2013</td> </tr> <tr> <td>G. Burkhard Mackensen</td> <td>06/26/2013</td> </tr> <tr> <td>Qing Ma</td> <td>07/08/2013</td> </tr> <tr> <td>Mihai C. Podgoreanu</td> <td>07/07/2013</td> </tr> </tbody> </table>		Name	Execution Date	Zhiquan Zhang	07/08/2013	G. Burkhard Mackensen	06/26/2013	Qing Ma	07/08/2013	Mihai C. Podgoreanu	07/07/2013
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RECEIVING PARTY DATA											
Name:	Duke University										
Street Address:	Erwin Road										
City:	Durham										
State/Country:	NORTH CAROLINA										
Postal Code:	27707										
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>13879558</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13879558						
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Application Number:	13879558										
CORRESPONDENCE DATA											
Fax Number:	9198541401										
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ATTORNEY DOCKET NUMBER:	5405-455TS										
NAME OF SUBMITTER:	Katie Wu										
Signature:	/kwu/										

CH \$40.00 13879558

PATENT

Date:

09/04/2013

Total Attachments: 4

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ASSIGNMENT

THIS ASSIGNMENT, made by us, **Zhiquan Zhang**, a citizen of the United States of America, residing at 3805 Stoneybrook Drive, Durham, North Carolina 27705; **G. Burkhard Mackensen**, a citizen of Germany, residing at 608 E. Forest Hills Blvd., Durham, North Carolina 27707; **Qing Ma**, a citizen of China, residing at 3805 Stoneybrook Drive, Durham, North Carolina 27705; and **Mihai C. Podgoreanu**, a citizen of Romania, residing at 804 Oxfordshire Lane, Chapel Hill, North Carolina 27517;

WITNESSETH: That,

WHEREAS, we are inventors of certain new and useful improvements in **COMPOSITIONS AND METHODS FOR THE TREATMENT OF CARDIAC SURGERY-ASSOCIATED ACUTE KIDNEY INJURY WITH ANNEXIN A1 PEPTIDE**, for which United States Patent Application No. 13/879,558 was filed on April 15, 2013; PCT International Application Serial No. PCT/US2011/056400 was filed on October 14, 2011; and United States Provisional Patent Application No. 61/393,402 was filed October 15, 2010, in the United States Patent and Trademark Office; and

WHEREAS, **Duke University**, an educational institution having a principal place of business at Erwin Road, City of Durham, County of Durham, State of North Carolina, 27707, hereinafter referred to as assignee, is desirous of acquiring our part of the entire right, title and interest in and to the invention as described in said applications, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, we have sold and by these presents do hereby sell, assign, transfer, and convey unto said assignee, its successors and assigns, the entire right, title, and interest in and to said invention and applications, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues or other forms of protection thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted along with any term extensions thereon or therefor, together with the right to claim the priority of said applications in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made.

I hereby request that said Letters Patent be issued in accordance with this assignment.

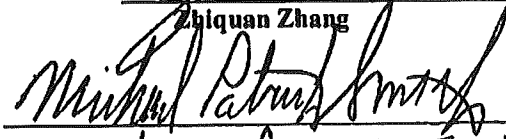
We further covenant and agree that, at the time of the execution and delivery of these presents, we possess a part of the right to the invention and applications above-mentioned, and that we have the unencumbered right and authority to make this assignment regarding our part of the invention.

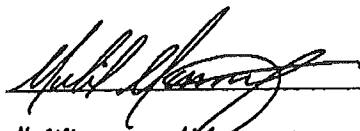
We further covenant and agree to promptly communicate to said assignee or its representatives any facts known to us relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors, or assigns to secure patent or similar protection for said invention in all countries and to vest in the assignee complete title to said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns, and other legal representatives; and I hereby instruct, and further covenant and agree to bind our heirs, legal representatives, and assigns, to do same, without further compensation, but at the expense of said assignee or its representatives.

IN WITNESS WHEREOF, I have hereunto set our hand and seal on this 8th day of July, 2013.



Zhiquan Zhang (SEAL)

Witnessed by: 
Printed Name: Michael Patrick Smith
Date: 07/08/2013

Witnessed by: 
Printed Name: Michael W. Manning
Date: 7/8/2013

IN WITNESS WHEREOF, I have hereunto set our hand and seal on this 26th day of

June, 2013.

J. G. Racke (SEAL)
G. Burkhard Mackensen



Witnessed by: Louena F. Goodwin

Printed Name: Louena F. Goodwin

Date: June 26, 2013

Witnessed by: Colleen L. Steinberg

Printed Name: Colleen L. Steinberg

Date: 6/26/13

IN WITNESS WHEREOF, I have hereunto set our hand and seal on this 8th day of

July, 2012: 2013 MC

Qing Ma (SEAL)

Witnessed by: Michael Patrick Smith

Printed Name: Michael Patrick Smith

Date: 07/08/2013

Witnessed by: Michael W. Manning

Printed Name: MICHAEL W. MANNING

Date: 7/8/2013

IN WITNESS WHEREOF, I have hereunto set our hand and seal on this 7 day of

July, 2013.

Mihai V. Podgorceanu (SEAL)
Mihai V. Podgorceanu

Witnessed by: Michael Patrick Smith

Printed Name: Michael Patrick Smith

Date: 07/08/2013

Witnessed by: Michael W. Manning

Printed Name: Michael W. Manning

Date: 7/8/2013