

## PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4421187

<b>SUBMISSION TYPE:</b>	CORRECTIVE ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	Corrective Assignment to correct the SECOND ASSIGNOR previously recorded on Reel 039758 Frame 0506. Assignor(s) hereby confirms the ASSIGNMENT.	
<b>RESUBMIT DOCUMENT ID:</b>	504187029	
<b>CONVEYING PARTY DATA</b>		
	<b>Name</b>	<b>Execution Date</b>
	MATTHEW C. L. KEITH	11/14/2014
	MARCIN WYSOCZYNSKI	11/14/2014
	ROBERTO BOLLI	11/20/2014
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	UNIVERSITY OF LOUISVILLE RESEARCH FOUNDATION, INC.	
<b>Street Address:</b>	THE NUCLEUS, 300 EAST MARKET STREET, SUITE 300	
<b>City:</b>	LOUISVILLE	
<b>State/Country:</b>	KENTUCKY	
<b>Postal Code:</b>	40202	
<b>PROPERTY NUMBERS Total: 1</b>		
	<b>Property Type</b>	<b>Number</b>
	Application Number:	15039082
<b>CORRESPONDENCE DATA</b>		
<b>Fax Number:</b>	(919)419-0383	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
<b>Phone:</b>	919-493-8000	
<b>Email:</b>	bperkins@jwth.com	
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<b>Address Line 4:</b>	MORRISVILLE, NORTH CAROLINA 27560	
<b>ATTORNEY DOCKET NUMBER:</b>	1577/36 PCT/US	
<b>NAME OF SUBMITTER:</b>	BELINDA PERKINS	
<b>SIGNATURE:</b>	/Belinda Perkins/	
<b>DATE SIGNED:</b>	05/18/2017	
<b>Total Attachments: 5</b>		
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**PATENT**

**REEL: 042433 FRAME: 0660**



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Stylesheet Version v1.2

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>MATTHEW C. L. KEITH</td><td>11/14/2014</td></tr><tr><td>MARCIN MARCIN</td><td>11/14/2014</td></tr><tr><td>ROBERTO BOLLI</td><td>11/20/2014</td></tr></tbody></table>		Name	Execution Date	MATTHEW C. L. KEITH	11/14/2014	MARCIN MARCIN	11/14/2014	ROBERTO BOLLI	11/20/2014		
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<b>Email:</b>	bperkins@jwth.com
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<b>Correspondent Name:</b>	CHRISTOPHER P. PERKINS
<b>Address Line 1:</b>	3100 TOWER BOULEVARD, SUITE 1200
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<b>ATTORNEY DOCKET NUMBER:</b>	1577/36 PCT/US
<b>NAME OF SUBMITTER:</b>	BELINDA PERKINS
<b>Signature:</b>	/bperkins/
<b>Date:</b>	09/15/2016

<b>Total Attachments: 3</b>	
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<b>RECEIPT INFORMATION</b>	
<b>EPAS ID:</b>	PAT4054050
<b>Receipt Date:</b>	09/15/2016

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**PATENT**

PATENT

Attorney Docket No.: 1577/36 PROV

CORRECTIVE ASSIGNMENT

WHEREAS, we, Matthew C. L. Keith of Louisville, Kentucky; Marcin Wysoczynski of Louisville, Kentucky; and Roberto Bolli of Louisville, Kentucky (hereinafter "Assignors"), have invented certain new and useful improvements in CARDIAC-DERIVED STEM CELLS AND METHODS OF USE THEREFOR (hereinafter "Invention") for which application for a U.S. Provisional Patent was made on November 27, 2013 as Serial No. 61/909,729 (hereinafter "Application").

AND, WHEREAS, University of Louisville Research Foundation, Inc., a non-profit organization located at The Nucleus, 300 East Market Street , Suite 300, Louisville, Kentucky 40202 (hereinafter "Assignee"), is desirous of acquiring an interest therein.

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignors have sold and by these presents do hereby sell, assign, transfer and convey unto the Assignee, its successors and assigns, their entire right, title and interest in and to the Invention and Application, and in and to any and all foreign patent applications filed on the Invention, 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 thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with their right to claim the priority of the Application in all countries in accordance with the Paris Convention, the Patent Cooperation Treaty, or other agreement or national law under which priority can be claimed, 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 Assignors if this Assignment and sale had not been made.

Assignors hereby request that said Letters Patent be issued in accordance with this Assignment.

PATENT

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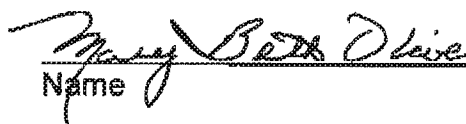
Assignors further covenant and agree that, at the time of the execution and delivery of these presents, Assignors possess full title to the invention and application above-mentioned, and that they have the unencumbered right and authority to make this Assignment.

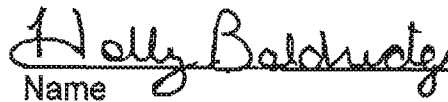
Assignors further covenant and agree, and likewise bind their heirs, legal representatives and assigns, to promptly communicate to said Assignee or its representatives any facts known to them relating to the Invention, to testify in any interference or legal proceedings involving the Application or Invention, to execute any additional papers which may be requested to confirm the right of the Assignee, its representatives, successors and assigns to secure patent or similar protection for the Invention in all countries and to vest in the Assignee complete title to the Invention and Letters Patent, without further compensation, but at the expense of said Assignee, its successors, assigns and other legal representatives.

Executed this 14<sup>th</sup> day of November 2014.

  
Matthew C. L. Keith

Witnessed by:

 11.14.2014  
Name Date

 11-14-14  
Name Date

\*\*\*\*\*

Executed this 14<sup>th</sup> day of November 2014.

  
\_\_\_\_\_  
Marcin Wysoczynski

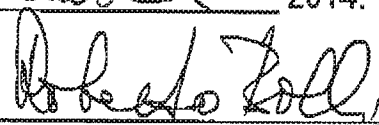
Witnessed by:

Mary Beth Oliver 11.14.14  
Name Date

Holly Baldridge 11-14-14  
Name Date

\*\*\*\*\*

Executed this 20<sup>th</sup> day of November 2014.

  
\_\_\_\_\_  
Roberto Bolli

Witnessed by:

Mary Beth Oliver 11.20.14  
Name Date

Holly Baldridge 11-20-14  
Name Date

\*\*\*\*\*