

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
	Name	Execution Date
	JOHN M. PERRY	03/02/2016
	LINHENG LI	03/02/2016
	JUSTIN C. GRINDLEY	10/07/2015
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PROPERTY NUMBERS Total: 1		
Property Type	Number	
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DATE SIGNED:	03/04/2016	
Total Attachments: 2		
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Assignment

WHEREAS, I/WE

John M. PERRY, Linheng LI, and Justin C. GRINDLEY

the Assignor(s), have invented certain new and useful improvements in

METHODS, KITS, AND COMPOSITIONS FOR STEM CELL SELF-RENEWAL

which are described and claimed in U.S. Patent Application Serial No. 14/634,540, filed February 27, 2015, which is a continuation of U.S. Patent Application Serial No. 12/589,551, filed October 23, 2009, which application is a continuation-in-part of International Application No. PCT/US2008/005230, filed April 23, 2008, which international application claims benefit to U.S. Provisional Application No. 60/926,065, filed April 23, 2007, and U.S. Provisional Application No. 61/066,693, filed February 22, 2008 (invention).

NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I/we hereby assign to


STOWERS INSTITUTE FOR MEDICAL RESEARCH

having its principal offices at 1000 East 50th Street, Kansas City, MO 64110 (hereinafter the "Assignee"), and the Assignee's successors, assigns, or legal representatives, all of my/our right, title and interest, in and to the invention within the United States of America and its territories and possessions and all foreign countries, and in and to any patent application, including provisional or utility applications based thereon, and in and to any Letters Patent of the United States of America and foreign countries, including utility models, inventor's certificates and like government grants, and in and to all divisions, reissues, reexaminations, continuations, continuations-in-part, and extensions thereof that may be granted therefor, and the right to apply for Letters Patent(s) in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor(s) by local laws or by treaty, including any international conventions, for the protection of industrial property, together with the right to extend the protection of the U.S. Letters Patent(s) to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all the rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors, assigns, or other legal representatives, to the full end of the term for which the Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment had not been made. And, Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue any U.S. Letters Patent, when granted, in accordance with this assignment.

UPON SAID CONSIDERATION, I/we do hereby covenant and agree with the Assignee that I/we will not execute any writing or do any act whatsoever conflicting with the foregoing, and that I/we will at any time upon request without further or additional consideration, but at the expense of the Assignee, execute such additional assignments and other writings and do such additional acts as the Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all

necessary assistance in making application for and obtaining original, continuing, divisional, reissued, reexamined, or extended Letters Patent(s) of the United States of America on the invention or like protection in any foreign country, and in enforcing any rights or choses in action accruing as a result of such applications or patents, including but not limited to, giving testimony in any proceedings or transactions involving such applications or patents, and executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind and inure to the benefit of the successors, assigns, or legal representatives of all parties hereto.

IN WITNESS WHEREOF, this Assignment has been executed by the Assignor(s)
at Kansas City, MO, by:




John M. PERRY

3/2/16
Date



Linheng LI

 3/2/2016
Date



Justin C. GRINDLEY

10/07/2015
Date