### PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	

#### **CONVEYING PARTY DATA**

Name	Execution Date
James Thomson	07/20/2010
Tenneille Ludwig	09/12/2011

#### **RECEIVING PARTY DATA**

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## PROPERTY NUMBERS Total: 4

Property Type	Number
Application Number:	60608040
Application Number:	11221457
Application Number:	12754574
PCT Number:	US0531838

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ATTORNEY DOCKET NUMBER: P09119US, P04124PV/US/WO

**PATENT** 

REEL: 026960 FRAME: 0403

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NAME OF SUBMITTER:	Amy Kruse
Total Attachments: 3 source=P09119US - Assignment - 2011-09 source=P09119US - Assignment - 2011-09 source=P09119US - Assignment - 2011-09	-12#page2.tif

PATENT REEL: 026960 FRAME: 0404

# ASSIGNMENT (Joint Inventors)

I am one of the persons identified as an inventor and who has contributed to a new and useful invention (the "Invention") described in the provisional or utility United States patent application and/or the patent application filed under the Patent Cooperation Treaty, as identified below. These patent application(s) are identified as follows:

Filing Type	Filing Country	Serial Number	Filing Date
MEDIUM AND CUL	JURE OF EMBRYONIC STEM	1 CELLS	
PRV	UNITED STATES	60/608040	September 8, 2004
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EMBRYONIC STEM	NING PIPECHOLIC ACID AND A CELLS	GAMMA AMINO BULYKICA	ACID AND CULTURE OF
PAT	UNITED STATES	11/221457	September 8, 2005
			}
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	TURE OF EMBRYONIC STEM	4 CELLS	
PCT	W.I.P.O. (IS PCT)	PCT/US2005/031838	September 8, 2005
			5
MEDIUM AND CUI	TURE OF EMBRYONIC STEM	CELLS	
CIP	UNITED STATES	12/754574	April 5, 2010
	5	₹	, ~ .

For good and valuable consideration, the receipt of which I hereby acknowledge, I do hereby sell, assign, and transfer to the Wisconsin Alumni Research Foundation ("WARF"), a non-stock, non-profit, Wisconsin corporation, and to its legal representatives, successors and assigns, my entire right, title and interest in and to the Invention and to all United States provisional and utility applications as well as foreign patents or patent applications any of which cover all or part of the Invention. WARF shall hold such right, title and interest as fully and completely as they would have been held by me had this assignment and sale not been made.

I further agree, upon WARF's request, to execute any documents, including any separate assignments, declarations or other legal documents, that WARF may find necessary or desirable in its exercise of the right, title and interest assigned above. I further agree to communicate to WARF any facts relating either to the Invention or to any of the patent or patent applications based on the Invention that might be useful to WARF and to testify about any such facts in any interferences or litigation, if requested by WARF to do so. I shall do the above acts without additional compensation but at no expense to me.

Should the application number of any of the patent applications referenced above be unavailable the date that I execute this document, WARF is authorized by me to insert the application number and filing dates of these patent applications into this document. WARF is also specifically authorized to record this document as evidence of my assignment to WARF of any subsequent United States patent application claiming priority from any of the above identified patent applications.

Ref: P09119US

Wisconsin Alumni Research Foundation

PATENT REEL: 026960 FRAME: 0405

ASSIGNMENT
Wisconsin Alumni Research Foundation
Ref: P09119US
App.#: 12/754574, Filed: April 5, 2010
Inventor: Date:7(2.0/1.0
James Thomson
1807 Regent St.
Madison, WI 53726
State of Wisconsin ) )ss.
County of Dane )
On this 20 day of, 2010 before me personally appeared James Thomson, known to me to be the person identified above as the "Inventor," who executed the above instrument and acknowledged to me that he or she executed the same for the uses and purposes therein set forth.  SEAL
Notary Public
My Commission agricas: 042 / 15 7017

Inventor: <u>Jeva</u> Tenneille Lud 2374 East Hill Fitchburg, WI	Dr		Date: 9/12/1/	,
State of Wisconsin County of Dane	) )ss. )			
Ludwig, known to m	ny of September to be the person ide acknowledged to me orth.	entified above as the that he or she execu	"Inventor," who exe	cuted the
SEAL	William W	Tembry		
	Notary Public	1/0/00	2	
	My Commission expire	es: <u>6/7/2013</u>	2	

**ASSIGNMENT** 

Ref. P09119US

**RECORDED: 09/23/2011** 

Wisconsin Alumni Research Foundation

App.#: 12/754574, Filed: April 5, 2010

PATENT REEL: 026960 FRAME: 0407