

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
JAMES EBERWINE	08/09/2013
DITTE LOVATT	08/15/2013
JULIA RICHARDS	10/30/2013
IVAN DMOCHOWSKI	05/24/2013
BRITTANI RUBLE	05/29/2013
RECEIVING PARTY DATA	
Name:	THE TRUSTEES OF THE UNIVERSITY OF PENNSYLVANIA
Street Address:	3160 CHESTNUT STREET
Internal Address:	SUITE 200
City:	PHILADELPHIA
State/Country:	PENNSYLVANIA
Postal Code:	19104
PROPERTY NUMBERS Total: 4	
Property Type	Number
Application Number:	13838504
Application Number:	61614940
Application Number:	13702415
Application Number:	61352199
CORRESPONDENCE DATA	
Fax Number:	(215)268-3871
<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>	
Phone:	215-268-3888
Email:	dockets@riversidelaw.com
Correspondent Name:	DARRYL PRATCHER, RIVERSIDE LAW LLP
Address Line 1:	GLENHARDIE CORPORATE CENTER
Address Line 2:	1285 DRUMMERS LANE, SUITE 202
Address Line 4:	WAYNE, PENNSYLVANIA 19087
ATTORNEY DOCKET NUMBER:	46483-5195-01-US.602306
NAME OF SUBMITTER:	DARRYL PRATCHER

PATENT

SIGNATURE:	/DARRYL PRATCHER/
DATE SIGNED:	11/30/2016
Total Attachments: 6 source=46483_5195_01US_602306_assignment#page1.tif source=46483_5195_01US_602306_assignment#page2.tif source=46483_5195_01US_602306_assignment#page3.tif source=46483_5195_01US_602306_assignment#page4.tif source=46483_5195_01US_602306_assignment#page5.tif source=46483_5195_01US_602306_assignment#page6.tif	

ASSIGNMENT

WHEREAS, we, **James EBERWINE**, a citizen of the United States of America, with a mailing address of 3918 Henry Avenue, Philadelphia, PA 19129; **Ditte LOVATT**, a citizen of Denmark, with a mailing address of 318 N. Chester Road, Swarthmore, PA 19081; **Julia RICHARDS**, a citizen of the United States of America, with a mailing address of 101 S. 21st Street, Apt. 3B, Philadelphia, PA 19103; **Ivan DMOCHOWSKI**, a citizen of the United States of America, with a mailing address of 308 Pelham Road, Philadelphia, PA 19119; and **Brittani RUBLE**, a citizen of the United States of America, with a mailing address of 2300 Walnut Street, Apt. 429, Philadelphia, PA 19103; hereinafter generally referred to as "ASSIGNORS," have invented a certain new and useful

TRANSCRIPTOME IN VIVO ANALYSIS

for which we have filed a U.S. Patent Application No. 13/838,504, filed on March 15, 2013, which claims priority under 35 U.S.C. §119(e) to U.S. Provisional Patent Application No. 61/614,940, filed March 23, 2012, and is a continuation-in-part of, and claims priority to U.S. Patent Application No. 13/702,415, filed December 6, 2012, which is the U.S. national phase application filed under 35 U.S.C. §371 claiming benefit to International Patent Application No. PCT/US2011/039447, filed on June 7, 2011, which is entitled to priority under 35 U.S.C. §119(e) to U.S. Provisional Patent Application No. 61/352,199, filed June 7, 2010.

AND, WHEREAS, **The Trustees Of The University Of Pennsylvania** hereinafter referred to as the assignee, of **3160 Chestnut Street, Suite 200, Philadelphia, Pennsylvania 19104**, a university of higher education in **Pennsylvania**, is desirous of acquiring the entire right, title and interest in and to the said inventions or improvements and in and to the said provisional application, and to any patent application(s) corresponding thereto, and in, to and under any and all Letters Patent which may be granted on or as a result thereof in any and all countries:

NOW, THEREFORE, for and in exchange for valuable consideration from the receipt of which is hereby acknowledged and intending to be bound, we, the said assignors, have sold, assigned, transferred and set over, effective as of the execution date of this assignment and by these presents do hereby sell, assign, transfer and set over to said assignee, the entire right, title and interest in and to said inventions or improvements and said provisional application and any and all corresponding patent application(s) and continuations, divisions and renewals of and substitutes for said corresponding patent application(s), and in, to and under any and all Letters Patent which may be granted on or as a result thereof in the United States and any and all other countries, and any reissue or reissues or extension or extensions of said Letters Patent, and assign to and authorize said assignee, to file in our names corresponding patent applications for Letters Patent in all countries, the same to be held and enjoyed by said assignee, its successors, assigns, nominees or legal representatives, to the full end of the term or terms for which said Letters Patent respectively may be granted, reissued or extended, as fully and entirely as the same would have been held and enjoyed by us had this assignment, sale and transfer not been made.

8/15/2013
Date

Ditte Lovatt (Seal)
Ditte Lovatt

STATE OF Pa :
COUNTY OF Delaware : ss.

Before me, a notary public in and for the State and County aforesaid, on this 15 day of AUGUST, 2013, personally appeared **Ditte Lovatt** who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his/her free deed and act, signed, sealed and delivered by his/her for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

Natalie A. Cardwell
Notary Public
My Commission Expires:

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Natalie A. Cardwell, Notary Public
Darby Boro, Delaware County
My Commission Expires May 13, 2015
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

46483-5195-01-US.602306
PENN W5534
PATENT

10/30/13
Date

Julia Richards (Seal)
Julia Richards

STATE OF Pennsylvania:
COUNTY OF Philadelphia : ss.

Before me, a notary public in and for the State and County aforesaid, on this 30th day of October, 2013, personally appeared **Julia Richards** who being to me personally known, and who having first executed the foregoing instrument in my presence and have been by me first duly sworn, did acknowledge the foregoing instrument as his/her free deed and act, signed, sealed and delivered by his/her for the purpose therein stated and intending to be legally bound thereby and intending that said instrument be recorded.

Jacqueline Miraglia
Notary Public
My Commission Expires:

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Jacqueline Miraglia, Notary Public
City of Philadelphia, Philadelphia County
My Commission Expires Aug. 29, 2015
MEMBER, PENNSYLVANIA ASSOCIATION OF NOTARIES

