

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE
CONVEYING PARTY DATA	
Name	Execution Date
University of Pittsburgh - Of the Commonwealth System of Higher Education	02/24/2011
RECEIVING PARTY DATA	
Name:	National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government
Street Address:	NIH Division of Extramural Inventions and Technology Resources (DEITR)
Internal Address:	6705 Rockledge Drive, Suite 310, MSC 7980
City:	Bethesda
State/Country:	MARYLAND
Postal Code:	20892-7980
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12972346
CORRESPONDENCE DATA	
Fax Number:	(301)480-0272
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
Email:	edison@nih.gov
Correspondent Name:	Director, DEITR
Address Line 1:	NIH, 6705 Rockledge Drive, Suite 310
Address Line 2:	MSC 7980
Address Line 4:	Bethesda, MARYLAND 20892-7980
NAME OF SUBMITTER:	Director, DEITR, NIH
Total Attachments: 1 source=12972346,LAB,03-02-2011#page1.tif	

501453590

PATENT
REEL: 025883 FRAME: 0496

License to the United States Government

Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison).

Invention Title: Use of Trophectoderm, Endoderm and Neurectoderm Differentiation of Human

Embryonic Stem Cells as an Embryo-Toxin Screening Assay

Inventor(s): Paul J Sammak, Teresa Man Erb, Rami Mangoubi, Sara E Mucko, Murkund Desai, Nathan Lowry

U.S. Filing/Issue Date: 12/17/2010

Patent or Application Serial No.: 12/972,346

Grant/Contract Number(s): EB006161

Foreign Applications filed/intended in (countries): _____

The invention identified above is a Subject Invention under **35 U.S.C. 200, et seq.**, and the Standard Patent Rights clause at **37 CFR 401.14, FAR 52.227-11** or **FAR 52.227-12** (if applicable) which are included among the terms of the above identified grant or contract award from the United State Government. This document is confirmatory of:

1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and
2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award.

The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application.

Signed this 24th day of February, 20 11.

By Jerome Cochran

(Institutional Business Official)

(Signature)

Title Executive Vice Chancellor

For University of Pittsburgh - Of the Commonwealth System of Higher Education

(Grantee/Contractor Organization)

At 200 Gardner Steel Conference Center Thackeray and O'Hara Streets Pittsburgh, PA 15260

US

(Business Address)