

PATENT ASSIGNMENT

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| NATURE OF CONVEYANCE: | EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Indiana University | 07/29/2011 |
| 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: | 13128074 |
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IU Technology: 09036

IR #: 0577801-08-0036

Title of Invention: Methods to Enhance Trafficking of Hematopoietic Stem Cells

Title of Patent: Materials and Methods to Enhance Hematopoietic Stem Cells Engraftment Procedures

Inventor(s): Louis Pelus, Jonathan Hoggatt, Pratibha Singh

Patent or Application Serial No.: 13/128,074

U.S. Filing Date: 05/06/2011

Grant/Contract Identification Number(s): HL069669, HL079654, DK007519

Foreign Applications filed/intended in: China, Japan, South Africa

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 or FAR 52.227-11, which are included among the terms of the above-identified grant/contract award from the United States Government. This document is confirmatory of:

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2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations which 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 July 29, 2011.

By Brian Cholewa
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