



INDIANA UNIVERSITY

DEPARTMENT OF PEDIATRICS
School of Medicine

April 13, 2020

World Journal of Stem Cells
c/o Baishideng Publishing Group Inc.
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Dear Editors-in-Chief of World Journal of Stem Cells,

Please find attached documentation of grant funding for the revised version of our invited manuscript (#55027) entitled "How Old is Too Old? In vivo engraftment of human peripheral blood stem cells cryopreserved for up to 18 years - implications for clinical transplantation and stability programs". A copy of the email notifying Dr. Hege that her Pilot and Feasibility grant was funded is attached. Her grant was funded through the Indiana University Center of Excellence in Molecular Hematology (NIDDK P30DK090948). Also attached is documentation of the funding history of P30CA082709 from the US Department of Health and Human Services' Tracking Accountability in Government Grants System (TAGGS) website, <https://taggs.hhs.gov>. This P30 grant in part supports Dr. Pollok's In Vivo Therapeutics core. This is a very large grant to the Indiana University Simon Comprehensive Cancer Center; no specific NCI documentation that this grant supports Dr. Pollok's core exists. Please note that this grant was active in 2012-2013, when the research in the manuscript was performed.

We hope that this documentation is sufficient to authenticate our funding sources.

Best regards,

W. Scott Goebel, MD, PhD
Associate Professor of Clinical Pediatrics
Division of Pediatric Hematology/Oncology
Pediatric Stem Cell Transplantation Program
Department of Pediatrics

Medical Director, Cell, Immunotherapy and Transduction Facility

Medical Director, Pediatric Apheresis Collection Facility

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Goebel, W Scott

Subject: FW: Funding Decision - P&F Applications

From: Maines, April D.
Sent: Friday, October 19, 2012 3:20 PM
To: Hege, Kerry Marie
Cc: Srour, Edward F.; Broxmeyer, Hal E; Barr, Miriam L.; Smith, Daniel J
Subject: Funding Decision - P&F Applications
Importance: High

October 19, 2012

Dear Dr. Hege,

Thank you for submitting a Pilot and Feasibility application to the Center of Excellence in Molecular Hematology (CEMH). Your application was reviewed by experts at the Indiana University School of Medicine. We are glad to inform you that your application received a high enough score to warrant funding for one year beginning November 1, 2012. Funding of \$12,500 is being awarded for supplies and fees. Please be reminded that no salary support for any personnel is permitted.

Please provide us immediately with the name of your administrative assistant that we can contact in order to transfer to you the funds of this award. As per the conditions of this award, please provide the CEMH with a short written report (half a page) outlining your progress with this project by March 31, 2013 and a more detailed (one page) report by September 30, 2013.

We thank you for your interest in this CEMH funding mechanism and we hope this support will enable you to advance your research project and allow you to apply for other sources of funding in the near future.

Sincerely Yours,

Hal E. Broxmeyer, Ph.D.
Distinguished Professor
Mary Margaret Walther Professor Emeritus
Professor of Microbiology/Immunology
Program Leader, NCI-Designated Indiana University Simon Cancer Center Program on
Hematopoiesis, Heme Malignancies, and Immunology
Indiana University School of Medicine
Department of Microbiology and Immunology
950 West Walnut Street, R2-302
Indianapolis, IN 46202

Edward F. Srour, Ph.D.
Robert J. and Annie S. Rohn Professor of Leukemia Research
Professor of Medicine, Pediatrics, Microbiology & Immunology
Director, Flow Cytometry Resource Facility
Indiana University School of Medicine
980 West Walnut Street. RIII-C312
Indianapolis, IN 46202

Award Information



INDIANA UNIVERSITY MELVIN AND BREN SIMON CANCER CENTER SUPPORT GRANT

Award Number: P30CA082709
ORGANIZATION: NATIONAL CANCER INSTITUTE
OPDIV: NIH
AWARD CLASS: DISCRETIONARY
AWARD ACTIVITY TYPE: SCIENTIFIC/HEALTH RESEARCH (INCLUDES SURVEYS)

Group Awards By Issue Date FY or Funding FY: ☒ Issue Date FY ☐ Funding FY

HIDE AWARD ABSTRACT

ABSTRACT: Overview and Essential Characteristics: The IU Simon Cancer Center is an NCI-designated Cancer Center that is dedicated to cancer research, education, and patient care for the citizens of Indiana and beyond. Since our last review, the IUSCC has substantially increased the depth and breadth of our science and cancer relevant research as evidenced by over a 20% increase in NCI funding (Direct Costs), a 175% increase in our multi-Pi grants while attracting over 50 new investigators in cancer research to our institution. We are the home to the country's first pathway-driven SPORE that focuses on pediatric tumors and the birthplace to three active cancer consortia, including one that links researchers from North America and sub-Saharan Africa. The IUSCC is composed of two basic programs, Hematopoietic Malignancies (HIM) and Tumor Microenvironment and Metastasis (TMM), and two translational programs, Experimental and Developmental Therapeutics (EDT) and Cancer Prevention and Control (CPC). We define our catchment area as the entire state of Indiana as patients come from each of the 92 counties and 89% of the counties have at least one patient entered on clinical trials. Our community outreach and engagement activities have focused on the urban and rural populations of Indiana with the diseases with the highest mortality in the state (i.e., lung, breast and gastrointestinal cancers) as well as behavioral risk factors, which adversely impact screening and prevention (e.g., tobacco and HPV vaccinations). We focus on developing novel approaches for screening, treatment and symptom science using "precision medicine" and expanding work in bioinformatics and medical informatics to address the increasing complexity of understanding the genomic and clinical data. We embrace the vision of increasing the research workforce in Indiana and globally through education from "teach-to-learn" and the integration of clinical and translational research in our strategic plan. This strategic plan, which has its underpinnings with education and impact to our catchment area, is composed of four pillars that are foundational to the IUSCC. These pillars include: 1) Biology to Bedside Research; 2) Precision Medicine; 3) Prevention, Early Detection and Population Health; Local-Global Approaches; and 4) Health Care Disparities, Survivorship, and Symptom Science.

| Issue Date FY | Funding FY | Recipient Name | DUNS Number | City | State | CFDA Number | CFDA Program Title | Award Code | Budget Year | Action Date |
|--|------------|---------------------------------|-------------|-------------|-------|-------------|---|------------|-------------|-------------|
| Issue Date FY: 2020 (Subtotal = \$0) | | | | | | | | | | |
| 2020 | 2019 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 002 | 20 | 3/10/2020 |
| 2020 | 2018 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93353 | 21st Century Cures Act - Beau Biden Cancer Moonshot | 001 | 19 | 3/10/2020 |
| 2020 | 2018 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 000 | 19 | 3/10/2020 |
| Issue Date FY: 2019 (Subtotal = \$2,759,704) | | | | | | | | | | |
| 2019 | 2019 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 000 | 20 | 8/1/2019 |
| Issue Date FY: 2018 (Subtotal = \$2,540,993) | | | | | | | | | | |
| 2018 | 2018 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 001 | 19 | 9/7/2018 |
| 2018 | 2018 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 000 | 19 | 9/6/2018 |
| 2018 | 2018 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93353 | 21st Century Cures Act - Beau Biden Cancer Moonshot | 002 | 19 | 9/10/2018 |
| Issue Date FY: 2017 (Subtotal = \$2,955,756) | | | | | | | | | | |
| 2017 | 2017 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 001 | 18 | 8/22/2017 |
| 2017 | 2017 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 000 | 18 | 8/11/2017 |
| 2017 | 2017 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 004 | 18 | 9/19/2017 |
| 2017 | 2017 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93353 | 21st Century Cures Act - Beau Biden Cancer Moonshot | 005 | 18 | 9/20/2017 |
| 2017 | 2017 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 002 | 18 | 8/23/2017 |
| 2017 | 2017 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 003 | 18 | 8/24/2017 |
| Issue Date FY: 2016 (Subtotal = \$3,212,367) | | | | | | | | | | |
| 2016 | 2016 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 001 | 17 | 8/26/2016 |
| 2016 | 2016 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 006 | 17 | 9/7/2016 |
| 2016 | 2016 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 003 | 17 | 8/30/2016 |
| 2016 | 2016 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 002 | 17 | 8/29/2016 |
| 2016 | 2016 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 004 | 17 | 8/31/2016 |
| 2016 | 2016 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 005 | 17 | 9/6/2016 |
| 2016 | 2016 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 000 | 17 | 8/25/2016 |
| Issue Date FY: 2015 (Subtotal = \$2,368,294) | | | | | | | | | | |
| 2015 | 2015 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 005 | 16 | 9/15/2015 |
| 2015 | 2015 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 003 | 16 | 8/21/2015 |
| 2015 | 2015 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 004 | 16 | 9/10/2015 |
| 2015 | 2015 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 002 | 16 | 8/18/2015 |
| 2015 | 2015 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 001 | 15 | 6/30/2015 |
| 2015 | 2015 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 000 | 14 | 4/17/2015 |
| Issue Date FY: 2014 (Subtotal = \$1,634,792) | | | | | | | | | | |
| 2014 | 2014 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 001 | 15 | 9/22/2014 |
| 2014 | 2014 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 000 | 15 | 8/22/2014 |
| Issue Date FY: 2013 (Subtotal = \$1,331,905) | | | | | | | | | | |
| 2013 | 2013 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 001 | 14 | 8/23/2013 |
| 2013 | 2013 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 000 | 14 | 8/22/2013 |
| 2013 | 2013 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 003 | 14 | 8/27/2013 |
| 2013 | 2013 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | Cancer Centers Support Grants | 002 | 14 | 8/27/2013 |

| Issue Date | FY | Funding FY | Recipient Name | DUNS Number | City | State | CFDA Number | CFDA Program Title | Award Code | Budget Year | Action Date |
|--|------|---------------------------------|----------------|-------------|------|-------|-------------|--|------------|-------------|-------------|
| Issue Date FY: 2012 (Subtotal = \$1,420,131) | | | | | | | | | | | |
| 2012 | 2012 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 002 | 14 | 8/29/2012 |
| 2012 | 2012 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 001 | 14 | 8/22/2012 |
| 2012 | 2012 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 000 | 14 | 8/15/2012 |
| Issue Date FY: 2011 (Subtotal = \$1,303,863) | | | | | | | | | | | |
| 2011 | 2011 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 002 | 13 | 8/19/2011 |
| 2011 | 2011 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 001 | 13 | 8/18/2011 |
| 2011 | 2011 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 000 | 13 | 8/17/2011 |
| Issue Date FY: 2010 (Subtotal = \$1,566,431) | | | | | | | | | | | |
| 2010 | 2010 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 001 | 12 | 9/3/2010 |
| 2010 | 2010 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 003 | 12 | 9/9/2010 |
| 2010 | 2010 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 002 | 12 | 9/7/2010 |
| 2010 | 2010 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 004 | 12 | 9/10/2010 |
| 2010 | 2010 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 000 | 11 | 4/20/2010 |
| Issue Date FY: 2009 (Subtotal = \$1,515,008) | | | | | | | | | | | |
| 2009 | 2009 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 004 | 11 | 8/27/2009 |
| 2009 | 2009 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 002 | 11 | 8/24/2009 |
| 2009 | 2009 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93701 | | Trans-NIH Recovery Act Research Support | 005 | 11 | 9/17/2009 |
| 2009 | 2009 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 003 | 11 | 8/26/2009 |
| 2009 | 2008 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 001 | 10 | 3/4/2009 |
| 2009 | 2008 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 000 | 10 | 11/20/2008 |
| Issue Date FY: 2008 (Subtotal = \$1,350,663) | | | | | | | | | | | |
| 2008 | 2008 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 000 | 10 | 9/1/2008 |
| 2008 | 2008 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 001 | 10 | 9/15/2008 |
| Issue Date FY: 2007 (Subtotal = \$1,491,977) | | | | | | | | | | | |
| 2007 | 2007 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 000 | 9 | 8/14/2007 |
| 2007 | 2007 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 001 | 9 | 8/17/2007 |
| 2007 | 2007 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 003 | 9 | 9/20/2007 |
| 2007 | 2007 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 002 | 9 | 9/18/2007 |
| Issue Date FY: 2006 (Subtotal = \$1,731,583) | | | | | | | | | | | |
| 2006 | 2006 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 000 | 8 | 9/1/2006 |
| 2006 | 2006 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 001 | 8 | 9/7/2006 |
| 2006 | 2006 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 003 | 8 | 9/27/2006 |
| 2006 | 2006 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 002 | 8 | 9/26/2006 |
| Issue Date FY: 2005 (Subtotal = \$1,658,988) | | | | | | | | | | | |
| 2005 | 2005 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 001 | 7 | 9/21/2005 |
| 2005 | 2005 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 000 | 7 | 9/12/2005 |
| 2005 | 2005 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93397 | | Cancer Centers Support Grants | 002 | 7 | 9/22/2005 |
| 2005 | 2005 | INDIANA UNIVERSITY, BLOOMINGTON | 603007902 | BLOOMINGTON | IN | 93971 | | Health Professions Preparatory Scholarship Program for Indians | 001 | 6 | 4/25/2005 |