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Accelerating Clinical and Translational Research

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Indiana Musculoskeletal Symposium announces keynote speaker

The Indiana Clinical and Translational Sciences Institute, in partnership with the Indiana University School of Medicine, will host the first annual Indiana Musculoskeletal Symposium June 1-2 in Indianapolis.

The symposium, “Repair and Regeneration of Musculoskeletal Tissues: Academia, Industry and the Battlefield,” will offer a forum for investigators throughout the state of Indiana in both academia and industry to present current work that is translatable and deliverable to the critical needs of soldiers at the battlefield and for all wounded warriors with acute or chronic musculoskeletal disorders.

**About the Keynote Speaker**

Paul F. Pasquina, M.D., retired Colonel, United States Army will deliver the keynote address. Dr. Pasquina is the professor and chair of the Department of Physical Medicine & Rehabilitation at the [Uniformed Services University of the Health Sciences](#) (USUHS) and the director of the Physical Medicine & Rehabilitation Residency Training Program at the [Walter Reed National Military Medical Center](#).

He is a graduate of the United States Military Academy at West Point and USUHS. He completed a fellowship in primary care sports medicine from USUHS and Georgetown University. His current research efforts are focused on exploring new technologies to enhance the recovery, rehabilitation, and reintegration of combat casualties, particularly those with traumatic brain injury and extremity trauma. These efforts are primarily concentrated through his positions as the director of the [Center for Rehabilitation Sciences Research](#) and co-principle investigator within the [Center for Neuroscience and Regenerative Medicine](#).

In addition to Dr. Pasquina, several speakers from partner institutions have been invited:

- Eric Elster, M.D., Chairman of Surgery, Uniformed Services University of the Health Sciences
- Ben Coronoa, Ph.D, U.S. Army Institute of Surgical Research
- Henry Bryant, Ph.D., Eli Lilly and Co.
- Sheryl Conley, CEO, OrthoWorx
- Greg Gaski, M.D., IU Health


**IU School of Medicine, Indiana CTSI and IU-Affiliated Speakers**

Additional speakers include physicians and investigators from the IU School of Medicine, the [Indiana University Melvin and Bren Simon Cancer Center](#) and the Indiana CTSI. The list of IU-affiliated includes:



- Teresa Zimmers, M.D., Associate Professor of Surgery, Associate Professor of Biochemistry and Molecular Biology
- Brian Mullis, M.D., Associate Professor of Orthopaedic Surgery
- Melissa Kacena, Ph.D., Associate Professor of Orthopaedic Surgery
- Stephen Trippel, M.D., Professor of Orthopaedic Surgery, Professor of Anatomy & Cell Biology
- Keith March, M.D., Ph.D., Cryptic Masons Medical Research Foundation Professor of Vascular Biology Research, Professor of Medicine, Professor of Cellular & Integrative Physiology
- Ben Zarzaur, M.D., M.P.H., Associate Professor of Surgery
- Jaipal Singh, Ph.D., Visiting Professor of Cellular and Integrative Physiology

**Meeting Details, Registration and Agenda**

The meeting will take place on the campus of Indiana University Purdue University-Indianapolis at Hine Hall, 850 W. Michigan St., Indianapolis, IN 46202. The symposium will also offer a poster session for investigators who would like to present work, with poster submissions accepted through April 18.



Indiana Musculoskeletal Symposium announces keynote speaker \_ news.htm[1/26/2017 2:30:33 PM]

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[DOWNLOAD AGENDA](#)

[REGISTER FOR THE MEETING](#)

[SUBMIT A POSTER](#) (*Submissions due May 16*)





**Principal Investigator: Michael Reece, Ph.D., M.P.H., Professor, Associate Dean, Applied Health Science, IU Bloomington**

**Proposal Title:** mHealth Readiness Assessment in Liberia

**Proposal Abstract:** In order to assess organizational and individual readiness for mHealth interventions at a clinic in Liberia, our research will validate the cross-cultural use of an mHealth readiness assessment tool and collect data to inform decision-makers of the current capacity for successful uptake of mHealth solutions. Our long-term goal is to inform methodology for innovation assessment and implementation in order to improve health outcomes for vulnerable populations.

**Collaborators:** Mosoka Fallah, University of Liberia



**Principal Investigator: Rakhi Karwa, Pharm.D., Assistant Clinical Professor, Pharmacy Practice, College of Pharmacy, Purdue University**

**Proposal Title:** Bridging the Gap from the Hospital to the Clinic: Using Peer Navigators on the Inpatient Wards to Improve Linkage, Retention and Adherence to HIV Care in Western Kenya

**Proposal Abstract:** The study will evaluate the impact of the inpatient HIV peer navigator program on the linkage, retention and adherence of HIV-infected patients admitted to the inpatient adult medicine wards at Moi Teaching and Referral Hospital. Linkage and retention of patients is paramount to the provision of HIV care. Linkage and retention in rates in HIV programs in Sub Saharan Africa are as low as 40% and 60%, respectively. Because lost to follow up can predict death among HIV patients, current research must focus on understanding methods of improving the rates of which patients remain in care. The study will evaluate an estimated population of 400 patients for the primary endpoint of linkage, defined as a clinic visit to an AMPATH facility within one month of hospital discharge. Secondary endpoints will evaluate retention in care and medication refill adherence. The study will represent a collaboration of faculty and staff from Purdue University, Indiana University, Moi University, the Academic Model Providing Access to Healthcare, and Moi Teaching and Referral Hospital in Eldoret, Kenya.

**Collaborators -- Moi University, Kenya:** Beatrice Jakait, Regina Kamene, Chemutai Kenei, Mercy Maina, Celia Ngetich, Benson Njuguna, Daniel Ochieng, Gladys Onyango, Fatuma Some, Juddy Wachira

**USA Collaborators:** Timothy Mercer, Indiana University; Sonak Pastakia, Purdue University

**Principal Investigator: Neil Lobo, Ph.D., Research Associate Professor, Department of Biology, University of Notre Dame**

**Proposal Title:** Screening of cooking shelters against outdoor malaria vectors in southern Zambia; a semi-field study

**Proposal Abstract:** Distribution of insecticide treated bed nets and indoor residual spraying - both indoor interventions combined with appropriate case detection and treatment. The interventions being rolled out, however, focus on reducing exposure to malaria mosquito vectors indoors and a screen and treat program within the community and do not address exposure to mosquitoes outdoors. The resulting 'residual transmission' has been highlighted as a threat to effective malaria control and elimination by the World Health Organization. After dark, but prior to retiring, families in Zambia often gather in open-walled cooking shelters. Recent data from Macha indicate that malaria vectors rest on screens set up around the household through the night, and so screens around a cooking area not only will prevent bites from mosquitoes, but also offer a mechanism to kill or shorten the lifespan of those vectors host-seeking outdoors. This study aims to evaluate simple screening methods for such cooking and eating shelters against mosquito exposure in a semi-field situation to generate the required data for informing a larger village trial. Screens will be constructed locally with insecticide-treated netting materials from industry partners that are long lasting and UV resistant, currently used for screening outdoor animal enclosures against pests. The techniques being evaluated will be low tech, cheap and easily deployed by household residents of locally by community representatives and therefore practical and affordable for such a low-income setting. Combined with the continued use of LLINs in households, indoor and outdoor exposure can both be tackled through easily deployed complementary interventions.

**Collaborators:** Jennifer Stevenson, Johns Hopkins University



**Principal Investigator: Sherri Bucher, Ph.D., M.A., Assistant Professor of Research, Department of Pediatrics, IU School of Medicine**

**Proposal Title:** Feasibility, Acceptability, and Usability testing in Kenya of NeoWarm: An innovative biomedical device to prevent newborn hypothermia in low-middle income countries

**Proposal Abstract:** Hypothermia, and complications caused by hypothermia, such as feeding and breathing problems, are thought to underlie almost 4 million newborn deaths each year. Premature and low birthweight babies, in particular, are extremely susceptible to developing, and dying from, low body temperature. The vast majority of these deaths occur in resource-limited settings, where access to "high tech" incubators or "low tech" "kangaroo mother care" programs, is not feasible. What is needed, to "bend the curve" on hypothermia-related neonatal mortality, are innovative, feasible, affordable, safe, effective, and culturally-acceptable "middle tech" solutions to bridge the current gap in

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thermoregulatory support solutions for vulnerable babies. Our multidisciplinary, international investigative team will perform feasibility, acceptability, and usability testing, in Kenya, of a built prototype of an innovative biomedical thermoregulatory support device called "NeoWarm." Drawing on our combined expertise in public health, biomedical engineering, and implementation science, we will utilize quantitative and qualitative methods to: (1) Collect detailed baseline information about the current landscape of newborn hypothermia and existing use environment for NeoWarm; (2) Perform feasibility and acceptability assessment of the built NeoWarm prototype among adult end-users and stakeholders in Kenya; (3) Evaluate the device-user interface using a newborn simulator. We will utilize these preliminary data to apply for external funding opportunities. Results will be disseminated via presentations and peer-review manuscripts. This pilot project will lay the groundwork for expanded collaboration on an innovative and life-saving initiative among North American and Kenyan investigators.

**Collaborators:** William Combs, IUPUI; David Muyodi, Moi University, Kenya





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Graduate Certificate Program

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# Graduate Certificate in Health Innovation & Implementation Science

**Our Graduate Certificate Program in Health Innovation & Implementation Science is focused on providing busy clinicians and administrators with the skill sets needed to become change leaders within the healthcare system.**



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Our Graduate Certificate program in Innovation & Implementation Science will provide you with the following skills to achieve health care transformation: identifying, implementing, and evaluating evidence-based practices, as well as, developing innovative models of care when evidence-based practices do not exist.

Dennis Murphy

"I am excited about the knowledge and skill set of the graduates of this certificate will bring to the health care industry. They will be well positioned to lead, manage or work within high performing team to facilitate the change ahead for all health care delivery systems. This program will help them gain knowledge and skills around population health, evidence-based care practices, team-based care delivery, and ultimately how to create well organized systems of care." □ Dennis Murphy, MHA  
President and Chief Executive Officer,  
Indiana University Health



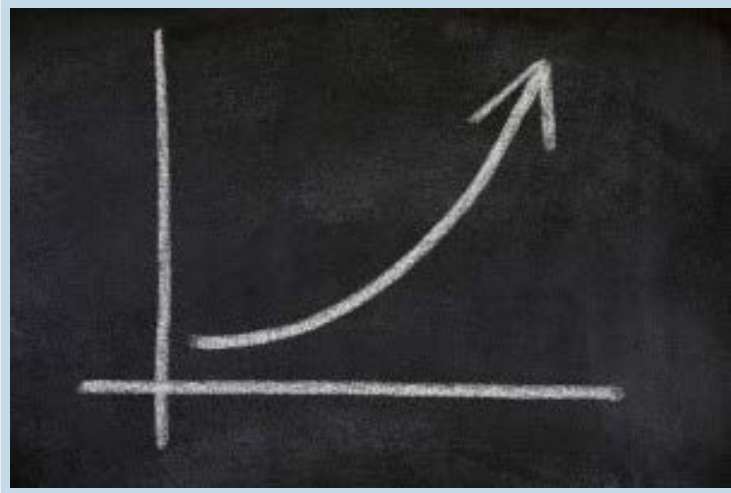
We  
define

**Innovation** as the conversion of a new idea into a successful health care solution that provides high value for patients, and **Implementation Science** as the development of tools, processes, and strategies for rapid, efficient, and sustainable adoption of evidence-based practices in the real-world.

## Upcoming Events

There are no upcoming events at this time.

Apply



Through our program you will gain the leadership skills needed to move your health system, clinic or practice to a value-based, patient-centric environment at the same or lower cost.



Learn more about our [curriculum!](#)

The next Graduate Certificate cohort starts in Fall Quarter 2016 (September 2016) and the



deadline to apply is August 15, 2016. Applications are being accepted now and you are encouraged to apply anytime prior to this date. [Learn More](#)

News

Unique Indiana University certificate program trains health care innovation leaders

Tuesday, April 21, 2015

"A new Indiana University School of Medicine program offers the nation's first graduate certificate in ...

"[CHIIS] will leverage the country's focus in health care reform to transform the IU School of Medicine's health care partners into laboratories of discovery that improve the health of our population and the quality of their care, and reduce costs."


Malaz Boustani, MD, MPH- Founding Director, CHIIS



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## Indiana CTSI Opportunities - April 2016

### From the [Center for Health Innovation and Implementation Science](#)



**Graduate Certificate in Health Innovation & Implementation Science:** IU Health clinicians and health care administrators interested in learning how to innovate and successfully implement evidence-based practices can apply now for the IU School of Medicine Graduate Certificate in Health Innovation and Implementation Science. Become a change agent in your health care system! Applications due June 30, 2016. [APPLY NOW](#)





**Implementation Science & Population Health Short Courses:** Registration open for short courses aimed at improving your skills in Implementation Science, Population Health, and Nudge/Human Behavior. One-day courses will take place several times throughout the year. [REGISTER NOW](#)

### From the [Regulatory Knowledge and Support Program](#)

**NCATS training to promote Good Clinical Practice:** The National Center for Advancing Translational Sciences (NCATS) is leading an initiative to promote Good Clinical Practice (GCP) training to ensure that all investigators who conduct clinical trials are appropriately trained. Indiana CTSI supports this training initiative as an essential step toward further ensuring the protection of trial participants and the quality of clinical trial results. GCP training will be required for PIs and Co-PIs beginning on July 1, 2016 for interventional clinical studies. The IRB will take no action on missing GCP training until studies submitted on or after July 1, at which time GCP training will be a condition of IRB approval.


**ClinicalTrials.gov Training:** The Office of Research Compliance, along with the Clinical and Translational Sciences Institute (CTSI), is offering training on the ClinicalTrials.gov, Protocol Registration and Results system. Please reserve your spot by visiting the [University-wide Research Education Sessions & Registration](#) class schedule. To view training opportunities, select "Quality Improvement Office" in the "List classes for Area" drop-down.

**Course Name:** *ClinicalTrials.gov Results Module Training*  
**Focus:** Preparing for results reporting, results reporting entry  
Date: 4/14/2016  
Time: 2-4:00 PM  
Location: Indianapolis, Lockefield (LV) 3301

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## Indiana CTSI Announcements - April 2016

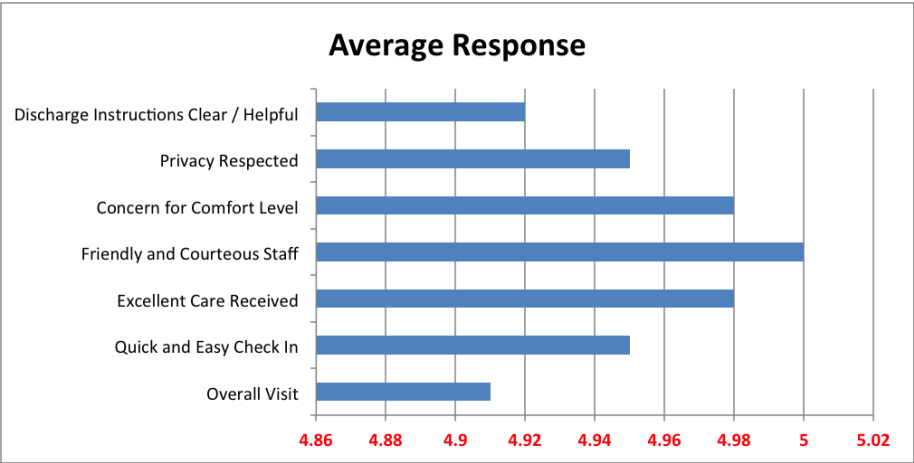
### From the [Center for Health Innovation and Implementation Science](#)



Malaz Boustani, M.D., IU Scientist & CHIIS Founding Director works with the Alzheimer’s Association National Workgroup to develop milestones for Alzheimer’s care and support. [READ FULL STUDY](#)

### From the [Indiana CTSI Clinical Research Center](#)

The Indiana CTSI Clinical Research Center asks for formal feedback from study participants twice a year. A satisfaction survey is provided to every participant who has a CRC visit for a two week period. Then, the results are tabulated and reviewed. Please see below for a summary of the most recent results.



[1= Strongly Disagree; 5= Strongly Agree]


#### Highlights


**Was the CRC easy to find?** 100% answered yes


**Did you have to wait longer than 15 minutes for your nurse?** 100% answered no


#### Survey Participant Comments

- Nurses care and CRC staff were awesome
- The staff were very polite and respectful during my visit
- Friendly and excellent care
- We have been coming for 2 years and they have always been great to us
- The study is well organized
- Efficient, friendly, professional
- I love the staff (nurses) --they always make me feel at ease before, during, and after the procedure

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(interface of basic science to human studies) or "T2 research" (interface of human studies to the community). To be eligible, candidates must fall into 1 of the following 2 categories: 1) Clinician-scientists with a doctoral degree (physicians, nurses, dentists, pharmacists, clinical psychologists, optometrists, veterinarians, allied health care professionals, etc.) or 2) Basic scientists with a PhD who are doing translational research, which involves some component of human subjects research and has high potential for early translation in impacting patient care.

**CTSI Postdoctoral Training Awards in Translational Research - 2017.01**

**SUBMISSION DEADLINE - January 13, 2017 (5:00 PM).** The Indiana Clinical and Translational Sciences Institute (CTSI) is seeking applicants for special postdoctoral training awards in translational research. In biomedical terminology, translational research refers to what is popularly termed as "bench to bedside"; the process by which research in the lab translates into patient treatment. Translation may involve applying discoveries made during research (in the lab, through animal studies, etc.) to the development of clinical trials and studies in humans, or carrying out research aimed at enhancing the adoption of best practices, or both. To be eligible, candidates must have received a PhD or equivalent degree from an accredited domestic or foreign institution. Please refer to the competition guidelines for full eligibility criteria.

**Ralph W. and Grace M. Showalter Research Trust - 2017.01**

**KC ROUTING DEADLINE - January 10, 2017 (5:00 PM).**

Since 1975, IUSM has received research funding through gifts made possible from the Ralph W. and Grace M. Showalter Research Trust Fund. The areas of appropriate biomedical research, eligible for funding, are broad and described by the benefactors as "the type of medical research that is most likely to permanently benefit mankind." Donor intent prohibits the use of Showalter Trust funds for research in psychiatry, sociology, or social studies. Applications for funding from the Ralph W. and Grace M. Showalter Research Trust will be reviewed in two stages. An initial review by the IUSM Biomedical Research Committee (BRC) will select the most meritorious proposals for further discussion and ranking. The BRC will then provide a recommended ranking to the Showalter Trustees who conduct a second review. Final funding decisions are made by the Showalter Trustees. Applications for funding beginning July 1, 2017 must be routed to the Office of Research Administration (ORA) by 5pm on Tuesday, January 10. ORA approved applications should then be uploaded to the CTSI website no later than 5:00 pm Tuesday, January 17. Only current full-time faculty (non-visiting status) having a primary appointment in IUSM and a rank of assistant professor or assistant scientist are eligible to apply for funding from the Showalter Research Trust. Note that the same proposal may not be submitted as both a Biomedical Research Grant and a Showalter Trust application. If eligible for both programs, the investigator is encouraged to submit to the Showalter Trust.

**Biomedical Research Grant - 2017.01**

**SUBMISSION DEADLINE - January 10, 2017 (5:00 PM).**

The Biomedical Research Grant program is open to all IU School of Medicine (IUSM) faculty that are full-time, regardless of tenure status, having an appointment of Assistant/Associate/Full Professor and Assistant/Associate/Full Scientist. In general, two categories of research projects will benefit from this program: 1) research projects of investigators new to IUSM who do not yet have extramural funding and who need support to acquire the preliminary data necessary to compete for extramural funding; 2) research projects of established IUSM investigators who are between funding periods from extramural sources.

**Design and Biostatistics Program (DBP) Pilot Grant - 2017.02**

**LETTER OF INTENT (LOI) DEADLINE - DECEMBER 16, 2016**

**FULL APPLICATION DEADLINE - FEBRUARY 6, 2017 (5:00 PM)**

The Design and Biostatistics Program (DBP) of the Indiana Clinical and Translational Science Institute (CTSI) is comprised of 8 units with associated expertise: 1) Department of Biostatistics, IU School of Medicine and Fairbanks School of Public Health; 2) Division of Hereditary Genomics, Department of Medical & Molecular Genetics, IU School of Medicine; 3) Computational Biology, Center for Computational Biology & Bioinformatics, IU School of Medicine; 4) Department of Epidemiology, Fairbanks School of Public Health; 5) Department of Statistics, Purdue College of Science; 6) Department of Applied & Computational Math & Statistics, Notre Dame School of Science; 7) Department of Statistics, IU Bloomington College of Arts & Sciences; 8) Department of Epidemiology and Biostatistics, IU Bloomington School of Public Health.

To achieve its objectives and stimulate development for emerging translational research needs, the DBP will fund innovative pilot projects that support methodological research of faculty members in the eight units that comprise the DBP. The total budget for the entire RFA is \$20,000, and it is expected that up to two awards will be funded at approximately \$10,000 per award for a twelve month duration. The objective of this mechanism is to fund research proposals that will synergize methodological strengths and translational biomedical research of the DBP, and in particular, the following types of research proposals:

- Research projects that propose to develop novel methodology (such as biostatistical, epidemiological, genetic, and bioinformatics methods).
- Research projects that match novel methodology with translational science needs.
- Research projects that have high potential to obtain external funding.

Preference will be given to investigators who have not already received extramural funding. Applications to this program are expected to be **\$10,000 per award** and are of **one (1) year duration**.

**START**

**CTSI Pre-Doctoral Training in Translational Research - 2016.12**

**CV SUBMISSION PRIOR TO APPLICATION ( via ictsi@purdue.edu) DEADLINE - DECEMBER 5, 2016**

**FULL APPLICATION DEADLINE - DECEMBER 12, 2016 (4:00 PM)**

The Indiana Clinical and Translational Sciences Institute (CTSI) is seeking applicants for special predoctoral training awards in translational research. In biomedical terminology translational research refers to what is popularly termed "bench to bedside", the process by which research in the lab "translates" into patient treatment. Translation may involve applying discoveries made during research (in the lab, through animal studies, etc.) to the development of clinical trials and studies in humans, or carrying out research aimed at enhancing the adoption of

best practices, or both. These two types of translational research are usually described as consisting of either "T1 research" (basic biomedical research, e.g. study disease at a molecular or cellular level, as it progresses to the development of new treatment options at the clinical level) or "T2 research" (enhancing access to and the adoption of evidence-based strategies in clinical and community practice, institutionalizing programs, products, and services to improve health). These awards are aimed at predoctoral students whose research is at any point along this spectrum. **Funding is for two years (with the 2nd year of funding contingent upon satisfactory progress).** Benefits include a stipend as well as health insurance and partial coverage of tuition and fees.

**Center for Diabetes and Metabolic Diseases' Pilot and Feasibility - 2017.03**

**LETTER OF INTENT (LOI) DEADLINE - JANUARY 9, 2017 (5:00 PM)**

**FULL APPLICATION DEADLINE - MARCH 6, 2017 (5:00 PM)**

This funding opportunity announcement invites applications from investigators at Indiana University (IUSM, IUB, etc.), IUPUI, and Purdue. The program will be particularly directed at new investigators and established investigators new to diabetes-related research. The program will also consider established diabetes investigators pursuing high impact/high risk projects or projects that are a significant departure from their usual work. The campuses are ideal for establishing interdisciplinary collaborations and forging new partnerships between basic scientists and clinical researchers, and such collaborations are encouraged. Work supported by these funds is expected to lead to submissions of major extramural grants (R01/equivalent NIH, major foundation awards, DOD, etc.).

START

**Global Health Research Pilot Projects -2016.12**

**SUBMISSION DEADLINE – DECEMBER 12, 2016 (5:00 PM)**

The Indiana CTSI with the IU Center for Global Health is soliciting proposals from applicants developing or currently involved in collaborative global health research projects. The purpose of this RFA is to foster and encourage the development of new collaborative interdisciplinary research that seeks to identify innovations to address key global health challenges and improve health outcomes in resource limited settings. This RFA will fund pilot research projects with: (1) a high potential for attracting new extramural research funding; (2) a focus on strengthening collaborative multidisciplinary research collaborations between Indiana CTSI partner institutions (IU, Purdue, and Notre Dame) and key academic research centers abroad; and (3) an emphasis in key, high-yield, research-related initiatives, including basic and translational sciences research, biobanking, cancer, population focused disease control, informatics and decision support systems, and implementation research dissemination.

**Post-Doc Challenge - Funding to Utilize CTSI-Designated Cores - 2017.02**

**FULL APPLICATION DEADLINE - TUESDAY, FEBRUARY 28, 2017 (5:00 PM)**

The Indiana Clinical and Translational Sciences Institute (CTSI) is soliciting proposals from postdoctoral researchers to develop translational research through the use of technologies and expertise available at the Indiana CTSI-designated core facilities available at all partner institutions. Translational research refers research in the lab that eventually translates into patient treatment to improve human healthcare. Translation involves applying discoveries made during research (in the lab, through animal studies, etc.) to the development of clinical trials and studies in humans.

CTSI-designated core facilities are cores that undergo a yearly accreditation process through the Indiana CTSI for all partner institutions. The Postdoc Challenge offers postdoctoral researchers at Indiana University, Indiana University School of Medicine, IUPUI, Purdue University, and the University of Notre Dame valuable proposal writing and reviewing experience in areas related to translational research through the use of one or more of the CTSI-designated core facilities at any of the partner universities. This is a competitive opportunity for a \$5,000 award in the form of an expense account for use of core facility services. Funding is to be used only for services provided by the core facilities. Indiana CTSI-designated core facilities are listed on the CTSI HUB. (<https://www.indianactsi.org/servicecores>)

Applications to this program are **limited to \$5,000** and are of **one (1) year duration**.

START

**Adult Gastrointestinal and Liver Diseases Research Pilot Grant - 2016.11**

**LETTER OF INTENT (LOI) DEADLINE - FRIDAY, OCTOBER 21, 2016**

**FULL APPLICATION DEADLINE - MONDAY, NOVEMBER 7, 2016 (5:00 PM)**

The Indiana Clinical and Translational Sciences Institute (CTSI), in conjunction with the Division of Gastroenterology/Hepatology in the Department of Medicine, is soliciting proposals for pilot projects from investigators to develop and promote translational and transdisciplinary collaborative research projects in adult gastrointestinal and liver diseases. The objective is to fund studies that (a) establish or strengthen already established collaborations between faculty members in the GI Division and investigators from other departments and schools at IUSM, IUPUI and Purdue University; (b) generate preliminary data for extramural funding applications investigating adult GI and liver disorders.

The areas of interest include (a) acute and chronic liver diseases; (b) GI and hepatobiliary malignancy; (c) inflammatory bowel disease; (d) GI motility disorders; (e) chronic abdominal pain; and (f) chronic functional bowel disorders. The proposal should demonstrate tangible evidence that the collaboration will lead to a multiyear federal grant application.

Applications to this program are **limited to \$35,000** and are of **one (1) year duration**. Up to two grants will be awarded per grant cycle.

**Indiana Spinal Cord & Traumatic Brain Injury Research Fund - 2016.12**

**FULL APPLICATION DEADLINE - FRIDAY, DECEMBER 9, 2016 (5:00 PM)**

The overall objective of the Indiana Spinal Cord & Traumatic Brain Injury Research Fund program is to foster and encourage research for the prevention, treatment and cure of spinal cord and traumatic brain injuries, including acute management, medical complications, rehabilitative techniques, and neuronal recovery. Collaborations are encouraged between Indiana-based researchers as well as with researchers located outside the state of Indiana, including researchers in other countries. Even though the Indiana statute encourages collaborations with



researchers outside of Indiana, the primary research should be Indiana-based. Collaborations can be between Principal Investigators (PIs) at the same institution, different institutions, or a PI and a company. Salary support for collaborators outside of Indiana will be limited.

Applications to this program are **limited to \$160,000** and are of a **two (2) year duration**, with a \$80,000 per year maximum.

**Pilot Funding For Research Use of Core Facilities - 2016.10**

**FULL APPLICATION DEADLINE - FRIDAY, OCTOBER 7, 2016 (5:00 PM)**

The Indiana CTSI Pilot Funding program is intended to promote the use of technologies and expertise afforded by the Indiana CTSI Core Facilities available at all partner institutions. Successful proposals will demonstrate outstanding scientific merit that can be linked to generating extramural funding or novel intellectual property (IP). Success of the program will be viewed, in part, by the fostering of new funded grants or providing significant contributions to grant renewals. Therefore, proposals will be judged with equal measure on scientific merit and the likelihood of generating new IP or extramural grant support.

**Indiana University Health Values Fund: Pilot and Feasibility Education Program - 2016.11**

**FULL APPLICATION DEADLINE - NOVEMBER 4, 2016 (5:00 PM)**

Indiana University Health's strength in providing excellent patient care is partially based on involvement in the continuous development of new, pre-eminent health care professionals throughout the entire workforce and innovative care delivery models. The Indiana University Health is seeking applicants for the IUH Pilot and Feasibility Education Program. The specific areas of opportunity of the program include the following: 1) Educational efforts in the field of ethics involving students, residents, or staffs; 2) Support for translation or dispersal of knowledge (e.g. library); 3) Education in Health Evaluation and Services, including outcomes evaluation and procedures; 4) Educational efforts especially with residents and staff which address ethical, socioeconomic, medical, legal and cost containment, or other issues affecting medical practice, quality of life, and access to health care; 5) Educational efforts in an ambulatory setting and/or promotion of continuity of care across care settings; 6) Education involving alternate approaches to health care including spirituality, end of life care, etc., or educational efforts which attempt to integrate complementary and traditional medicine in support of providing holistic care; 7) Educational efforts involving delivery of chronic care; 8) Primary care education devoted to holistic care; 9) Education in research principles; 10) Education in the development of and delivery of health promotion projects; 11) Educational efforts in faculty, resident, professional and/or staff development as related to teacher/learner issues; and 12) Education in quality improvement.

Applications to this program are **limited to \$100,000** and are of a **two (2) year duration**, with a \$50,000 per year maximum.

**Indiana University Health Values Fund: Pilot and Feasibility Research Program - 2016.11**

**LETTER OF INTENT (LOI) DEADLINE - OCTOBER 21, 2016**

**FULL APPLICATION DEADLINE - NOVEMBER 4, 2016 (5:00 PM)**

Indiana University Health is seeking applicants for the IUH Pilot and Feasibility Research Program. The priority areas of the program include the following areas: 1. Discovery of new knowledge and the development of new diagnostic treatment and prevention modalities to improve patient care outcomes; 2. Promotion of health in the population and the provision of health care of the highest quality to its patients while assisting the hospital to become more efficient; 3. Projects that demonstrates collaboration between the Indiana University Health hospital campuses.

Applications to this program are **limited to \$100,000** and are of a **two (2) year duration**, with a \$50,000 per year maximum.

**Indiana University Health Values Fund: Grand Challenge Grant - 2016.11**

**LETTER OF INTENT (LOI) DEADLINE - OCTOBER 21, 2016**

**FULL APPLICATION DEADLINE - NOVEMBER 4, 2016 (5:00 PM)**

This is a relatively new component of the IU Health Values Fund Grant Program. Values Fund expenditures represent an expression of Indiana University Health's seven Core Values. The Grand Challenge is funded in support of the Indiana University Health values. The proposed "Grand Challenge" Values grants will compliment Indiana University Health's strength in providing excellent patient care and health education by adding a new dimension this award round by addressing '*smoking cessation studies as well as projects focusing on behavioral health*'. This new focus further aligns IU Health with the State of Indiana's strategies to combat smoking and behavioral health. Thus, the IU Health Grand Challenge (IUH GC) applications are expected to make a significant impact on key communities served by IU Health and demonstrate how the awards will improve the health outcomes of targeted communities in Indiana and beyond. Grand Challenge proposals will be accepted that focus specifically on population health research on any of the following two topics: 1) Reduce tobacco use and/or exposure to secondhand smoke that scales across the health system, strengthens community partnerships, and advances public health impact of IUH/IUSM; 2) Develop a model of care and necessary workforce to address serious behavioral health problems that can be deployed across the health system and advances IUH/IUSM's public health impact and community partnerships.

Applications to this program are **limited to \$500,000** and are of **two (2) year duration**, with a \$250,000 per year maximum.

**Indiana University Health Values Fund: Integration of Spiritual and Religious Dimensions in Health Care - 2016.11**

**LETTER OF INTENT (LOI) DEADLINE - OCTOBER 14, 2016 (5:00 PM)**

**FULL APPLICATION DEADLINE - NOVEMBER 4, 2016 (5:00 PM)**

IU Health's strength in providing excellent patient care is rooted in the religious and spiritual heritage of its institutions. The spiritual calling to heal the sick brings vitality and meaning to patient care within the IU Health community. The Joint Commission on Accreditation has emphasized spiritual care as a vital part of the mission of health care institutions. IU Health will succeed in meeting its mission to provide holistic care to our patients with new programs to integrate spiritual care into patients' treatment plans and to develop methods and find solutions to address all the needs of those we serve. The Values Fund offers a unique resource that will allow us fulfill our mission and uphold our values.

Indiana University Health is seeking applicants for the Indiana University Health Values Fund for the Integration of Spiritual and Religious

Dimensions in Health Care. The specific areas of opportunity of the program include the following: 1) Projects that seek to foster a "whole person perspective" in health care; 2) Projects that foster policies and procedures that enhance respect for patient rights and responsibilities; 3) Projects that coordinate and provide a forum and consultation in the area of religious and moral meaning in bioethics; 4) Projects that research the role of religion, spirituality, and/or ethics in health and healing; 5) Projects that provide a service as a religious and ethical values resource center within the IU Health network and the broader community; 6) Projects that support innovation in spiritually integrated counseling, particularly for low income persons and families; and 7) Projects that provide a linkage with, and liaison between, the religious community and IU Health, addressing the continuum of care and wellness issues in our society.

Applications to this program are **limited to \$100,000** and are of a **two (2) year duration**, with a \$50,000 per year maximum.

**IU School of Medicine/Purdue University - Devices Advancing Surgical Care - 2016.10**

**SUBMISSION DEADLINE - OCTOBER 31, 2016 (5:00 PM).**

The Indiana Clinical and Translational Sciences Institute (CTSI) is please to request applications for funding to develop potential devices in the broad area of surgery. The successful application will involve investigators from the Department of Surgery at Indiana University School of Medicine and faculty from Purdue University. Awards will be competitive and may not exceed \$100,000 for up to two (2) period. Investigators from both institutions are encouraged to come up with innovative ideas that can result in a device that improves human health. For questions regarding scope, review of the proposal, or financial issues related to budgeting and grant submission contact Lane Coffee at [rlcoffee@iu.edu](mailto:rlcoffee@iu.edu) or via phone at 317-278-2150.

**Dr. Charles Fisch Cardiovascular Research Award**

**PROPOSAL SUBMISSION DEADLINE - 1) FIRST REGULAR BUSINESS DAY IN APRIL and 2) FIRST REGULAR BUSINESS DAY IN SEPTEMBER (5:00 PM).**

Indiana University School of Medicine announces the availability of Dr. Charles Fisch Cardiovascular Research Award to support cardiovascular research for young investigators or more senior investigators, embarking on a new research direction.

Applicants may request up to \$60,000 total, although particularly meritorious proposals that have well-justified budget needs as high as \$100,000 may be considered. Successful proposals will demonstrate scientific merit and a potential for generating extramural funding. In addition, prioritization will be given to those projects that utilize more than one IU Health hospital or facility for leveraging existing patient populations or clinical programs and/or projects that will potentially lead to improvements in the quality of care for IU Health patients. Applicants must have an Indiana University faculty appointment in the Department of Cardiology, Department of Medicine to apply for research program support. Clinical fellows and postdoctoral researchers in the Division of Cardiology may apply for research fellowship support under a faculty member in the Division of Cardiology.

**START**

**Eli Lilly-Stark Neurosciences Pre-Doctoral Research Fellowship in Neurodegeneration - 2016.08**

**LETTER OF INTENT (LOI) DEADLINE - AUGUST 5, 2016**

**FULL APPLICATION DEADLINE - AUGUST 26, 2016 (5:00 PM)**

The Stark Neurosciences Research Institute and the Indiana Clinical and Translational Sciences Institute (CTSI) are seeking applicants for special pre-doctoral training fellowships in translational neurodegenerative disease research. We seek applicants whose research is focused on age-related neurodegeneration, including Alzheimer's disease, Parkinson's disease, amyotrophic lateral sclerosis, chronic traumatic encephalopathy, among others. Translational research refers to what is popularly termed as "bench to bedside"; the process by which research in the lab translates into patient treatment. Translational research fosters the multidirectional integration of basic research, patient-oriented research, and population-based research, with the long-term aim of improving the health of the public. Translation can involve everything from basic science discoveries in the lab that directly focus on human disease states, through animal studies and drug development to the development of clinical trials and studies in humans.

Annual stipend (plus applicable health insurance) is aligned with current NIH recommendations. Annual supplement of \$7,500 to be used for travel, computers, and general supplies. Initial funding duration is for one (1) year, and is renewable for one (1) additional year pending review and demonstration of satisfactory progress.

**Eli Lilly-Stark Neurosciences Post-Doctoral Research Fellowship in Neurodegeneration - 2016.08**

**LETTER OF INTENT (LOI) DEADLINE - AUGUST 5, 2016**

**FULL APPLICATION DEADLINE - AUGUST 26, 2016 (5:00 PM)**

The Stark Neurosciences Research Institute and the Indiana Clinical and Translational Sciences Institute (CTSI) are seeking applicants for special post-doctoral training fellowships in translational neurodegenerative disease research. We seek applicants whose research is focused on age-related neurodegeneration, including Alzheimer's disease, Parkinson's disease, amyotrophic lateral sclerosis, chronic traumatic encephalopathy, among others. Translational research refers to what is popularly termed as "bench to bedside"; the process by which research in the lab translates into patient treatment. Translational research fosters the multidirectional integration of basic research, patient-oriented research, and population-based research, with the long-term aim of improving the health of the public. Translation can involve everything from basic science discoveries in the lab that directly focus on human disease states, through animal studies and drug development to the development of clinical trials and studies in humans.

Annual stipend (plus applicable health insurance) is aligned with current NIH recommendations. Annual supplement of \$7,500 to be used for travel, computers, and general supplies. Initial funding duration is for one (1) year, and is renewable for one (1) additional year pending review and demonstration of satisfactory progress.

**Activity-Based Therapy Grant Program - Indiana Spinal Cord & Traumatic Brain Injury Research Fund - 2016.09**

**LETTER OF INTENT (LOI) DEADLINE - AUGUST 12, 2016**

**FULL APPLICATION DEADLINE - SEPTEMBER 9, 2016 (5:00 PM)**

The State of Indiana established the research fund known as the Indiana Spinal Cord and Traumatic Brain Injury Research Fund (ISCBIRF) effective July 1, 2007. This fund, established under Indiana Code (IC) 16-41-42-4, will consist of appropriations, gifts and bequests, fees deposited in the fund under IC 9-29-5-2, and grants received from the federal government and private sources.

Effective July 1, 2015 this fund was supplemented and additionally authorized by legislation to provide prescribed, defined, and limited support to non-profit organizations corresponding to 501(c) 3 Federal tax status engaged in rehabilitative clinical care employing "activity based" approaches.

The overall objective of this program is to foster and encourage activity-based therapy programs for the prevention, treatment, and cure of spinal cord and traumatic brain injuries, including acute management, medical complications, rehabilitative techniques, and neuronal recovery.

Applications to this program are limited to \$1,000,000 (maximum of \$600,000 during the first year; \$400,000 during the second year) for up to two (2) years in duration based on appropriate achievement of milestones and progress reports.

**IU Grant Linking University-wide Expertise (GLUE) Awards - 2016.09**

**LETTER OF INTENT (LOI) DEADLINE - AUGUST 5, 2016**

**FULL SUBMISSION DEADLINE - SEPTEMBER 2, 2016 (5:00 PM)**

Indiana University, Bloomington, Provost's Office and the Indiana Clinical and Translational Sciences Institute (CTSI) are seeking applicants for the IU Grant Linking University-wide Expertise (GLUE) Award. The objective of the GLUE award is to support "planning and team building across campuses to develop large multi-investigator and/or multi-project, milestone-driven, translational research teams who are planning to submit multi-year, extramural grant applications with annual budgets of \$500K or more in direct costs." It is expected that these planning/seed grants will increase multidisciplinary collaborations, institutional competitiveness, opportunities for extramurally funded training grants and overall institutional funding. The GLUE funding is available to collaborative teams in which the lead PI of the research team is from IUB, and the other members of the team are typically from IU campuses such as IUPUI and IUSM (or in deserving cases, any other CTSI university partner campus).

Applications to this program are limited to \$100,000 per year for up to two (2) years in duration based on appropriate achievement of milestones and eventual submission of an extramural grant application.

**Technology Enhancement Awards - 2016.07**

**SUBMISSION DEADLINE - FRIDAY, JULY 08, 2016 (5:00 PM).**

A common critical gap in commercialization of technologies originating from the academic labs is the funding necessary to develop a robust commercialization relevant data package to reduce the risk of investment in early stage technologies. The Indiana CTSI and Indiana University School of Medicine through the office of the Associate Dean for Entrepreneurship and its Industry Collaboration Portal (ICP), are partnering with the newly created Indiana Center for Biomedical Innovation (ICBI) at IU Health to help fill this critical gap through a new support program, Technology Enhancement Awards (TEA), for early stage technologies. The technology may already reside in a start-up company or a clear plan exists to place it into a start-up. The New Program will partner with the highly successful SPARK program at Stanford University.

**Indiana Drug Discovery Alliance - 2016.07**

**SUBMISSION DEADLINE - FRIDAY, JULY 01, 2016 (5:00 PM).**

The Molecular Therapeutics Program, a part of the Indiana Clinical and Translational Sciences Institute, seeks applications for a competitive program that will provide funds and essential consultation to support the early stage development of therapeutics. This opportunity is provided in concert with the Indiana Drug Discovery Alliance (IDDA), an advisory panel and clearinghouse for drug discovery and development resources at the Indiana-CTSI member institutions of Indiana University, Purdue University and the University of Notre Dame.

**Call for Proposals:** The Molecular Therapeutics Program will support the new collaborations and/or the use of core facilities that enable the translation of fundamental research related to drug discovery. Critical project feedback will be provided from a team of experienced industry and academic experts on the group's internal advisory committee, as well as through ad-hoc, project-specific pharmaceutical expert reviewers.

**A detailed budget is not required at this time. Support projects will develop a budget of up to \$15,000 in consultation with the IDDA.**

**Strategic Pharma-Academic Research Consortium Awards Program - 2016.05**

**LETTER OF INTENT SUBMISSION DEADLINE - FRIDAY, MARCH 18, 2016**

**FULL PROPOSAL SUBMISSION DEADLINE - FRIDAY, JUNE 17, 2016**

The Midwest Strategic Pharma-Academic Research Consortium (SPARC) has been established by the Indiana Clinical and Translational Sciences Institute. The members of the consortium consist of both academic and pharmaceutical companies. The inaugural CTSA members and pharmaceutical Companies are: Indiana University, Ohio State University, Northwestern University, Washington University in St. Louis, The University of Chicago, Eli Lilly and Co. and Takeda Pharmaceuticals Inc. SPARC is seeking applicants for the Midwest Strategic Pharma-Academic Research Consortium Awards Program. The consortium expects to support projects related to human autoimmune disease with the following criteria: (1) research is in the non-competitive space of mutual interest that address scientific and technological research challenges confronting the pharmaceutical industry; (2) project is to be executed with the network of Academic Members; (3) study is designed to further the understanding of disease biology, potentially leading to the identification of novel therapeutic targets; (4) to promote an improved definition of autoimmune disease according to molecular taxonomy rather than as clinical syndromes; and/or (5) to improve the prediction of response to therapy and the early detection of response / non-response in autoimmune diseases where this is not apparent at a clinical level. Successful proposals will demonstrate the following: A) Have at least **two (2)** Project Specific Personnel from different Academic Member institutions for which such institutions agree to contribute the requisite cost share funding for the research proposal. B) Address the non-competitive space of mutual interest to the Members and scientific and technological research challenges confronting translational research. C) Include the Research Plan and related budget for the study proposal. Applications to this program are limited to \$400,000 and are 24 months (2 years) in duration.

CHEP Community Based Research Awards - 2016.06

**SUBMISSION DEADLINE - JUNE 1, 2016. (5:00 PM).** The Indiana CTSI CHEP is soliciting proposals from applicants developing or currently involved in collaborative, community-based research projects. Namely, this RFA will fund pilot projects generated from community-university partnerships. The pilot project can serve a variety of purposes such as program evaluation, feasibility or preliminary data for extramural grant submissions, etc. Potential applicants are encouraged to identify, or further develop, collaborative relationships to be strengthened through this grant opportunity.

Adult Gastrointestinal and Liver Diseases Research Pilot Grant Program 2016.05

**LETTER OF INTENT (LOI) DEADLINE - APRIL 15, 2016.**  
**FULL SUBMISSION DEADLINE - MAY 2, 2016 (5:00 PM)**

The Indiana Clinical and Translational Sciences Institute (CTSI) in conjunction with the Division of Gastroenterology/Hepatology in the Department of Medicine is soliciting proposals for pilot projects from investigators to develop and promote translational and transdisciplinary collaborative research projects in adult gastrointestinal and liver diseases. The objective is to fund studies that (a) establish or strengthen already established collaborations between faculty members in the GI Division and investigators from other departments and schools at IUSM, IUPUI and Purdue University; (b) generate preliminary data for extramural funding applications investigating adult GI and liver disorders.

The areas of interest include (a) acute and chronic liver diseases; (b) GI and hepatobiliary malignancy; (c) inflammatory bowel disease; (d) GI motility disorders; (e) chronic abdominal pain; and (f) chronic functional bowel disorders. The proposal should demonstrate tangible evidence that the collaboration will lead to a multiyear federal grant application.

Applications to this program are **limited to \$35,000** and are of **one (1) year duration**. Up to two grants will be awarded per grant cycle.

Pilot Funding For Research Use of Core Facilities - 2016.05

**SUBMISSION DEADLINE - MAY 16, 2016.** The Indiana CTSI Pilot Funding program is intended to promote the use of technologies and expertise afforded by the Indiana CTSI Core Facilities available at all partner institutions. Successful proposals will demonstrate outstanding scientific merit that can be linked to generating extramural funding or novel intellectual property (IP). Success of the program will be viewed, in part, by the fostering of new funded grants or providing significant contributions to grant renewals. Therefore, proposals will be judged with equal measure on scientific merit and the likelihood of generating new IP or extramural grant support.

Indiana CTSI/IUSM Core Equipment Funding - 2016.03

**SUBMISSION DEADLINE EXTENDED - Original Date MARCH 25 has been extended to APRIL 22, 2016 (5:00 PM).** The Indiana CTSI is seeking proposals from CTSI-Designated, IUSM-based Cores requesting support for the purchase of equipment that will enhance the research environment and contribute to the research mission of the School and the CTSI. Up to \$100,000 will be available through this solicitation. Proposals requesting \$5,000-\$100,000 will be accepted. Requests for equipment costing more than \$100,000 will be entertained if matching funds to cover the balance are identified.

Collaboration in Translational Research Pilot Grant Program - 2016.03

**SUBMISSION DEADLINE - MARCH 4, 2016 (5:00 PM).** The Indiana Clinical and Translational Science Institute (CTSI) is seeking applicants for the Collaboration in Translational Research (CTR) Pilot Grant Program. The objective of the Indiana CTSI CTR pilot grant program is to foster and encourage collaboration across the Indiana CTSI partner institutions (IU, Purdue, and Notre Dame) and to initiate or continue translational research projects that have very strong and immediate potential to develop into larger, externally funded research programs, or generate novel intellectual property (IP). Proposed projects should have participation by two (or more) principal investigators representing at least two of the sponsoring affiliates for this program. Sponsoring affiliates include: Indiana University School of Medicine (IUSM), IUPUI (non-IUSM), Indiana University-Bloomington, Purdue University-West Lafayette, and University of Notre Dame.

CTSI Postdoctoral Training Awards in Translational Research - 2016.02


**SUBMISSION DEADLINE - FEBRUARY 1, 2016 (5:00 PM).** The Indiana Clinical and Translational Sciences Institute (CTSI) is seeking applicants for special postdoctoral training awards in translational research. In biomedical terminology, translational research refers to what is popularly termed as "bench to bedside"; the process by which research in the lab translates into patient treatment. Translation may involve applying discoveries made during research (in the lab, through animal studies, etc.) to the development of clinical trials and studies in humans, or carrying out research aimed at enhancing the adoption of best practices, or both. To be eligible, candidates must have received a PhD or equivalent degree from an accredited domestic or foreign institution. Please refer to the competition guidelines for full eligibility criteria.

CTSI Postdoc Challenge: Grand Funding to use CTSI-Designated Core Facilities - 2016.02

**SUBMISSION DEADLINE - FEBRUARY 29, 2016 (5:00 PM).** The Indiana Clinical and Translational Sciences Institute (CTSI) is seeking applicants for special postdoctoral training awards in translational research. In biomedical terminology, translational research refers to what is popularly termed as "bench to bedside"; the process by which research in the lab translates into patient treatment. Translation involve applying discoveries made during research (in the lab, through animal studies, etc.) to the development of clinical trials and studies in humans, or carrying out research aimed at enhancing the adoption of best practices.

CTSI-Designated Core Facilities are cores that undergo a yearly accreditation process through the Indiana CTSI for all partner institutions. The Postdoc Challenge offers postdoctoral research associates at Indiana University, Purdue University, and the University of Notre Dame valuable proposal writing and reviewing experience in areas related to translational research through the use of one or more of the CTSI-Designated Core Facilities at these universities. This is a competitive opportunity for two 1-year awards of \$5000 each per institution in the form of an expense account for use of core facility services. Funding is to be used only for services provided by the core facilities. Indiana CTSI-Designated Core Facilities are listed on the HUB (<https://www.indianactsi.org/servicecores>). If you are interested in participating, you must discuss your proposal with your advisor prior to beginning the application process to ensure your participation will be approved.

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Contact:  
[info@indianactsi.org](mailto:info@indianactsi.org)

Symposium, Workshop, and Conference Funding Program RFA

**SUBMISSION DEADLINE - OPEN.** The Indiana CTSI symposium, conference and workshop funding program is intended to facilitate sharing of ideas and findings in face-to-face discussion environments. The proposed symposium should include a translational research focus. The Indiana CTSI symposium program is specifically established to support presentation of new information to researchers in the Indiana CTSI that will establish research connections and lead to new research communication forums and ongoing collaborations. The application should describe how the proposed symposium will meet these goals.

[START](#)

