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## Indiana CTSI 8th Annual Meeting and Watanabe Prize Lecture

The eighth annual meeting of the Indiana Clinical and Translational Sciences Institute and awarding of the third Watanabe Prize in Translational Research will be **Friday, Sept. 23, 2016** at [Hine Hall](#) on the IUPUI campus in Indianapolis.

This year's winner of the Watanabe Prize and the meeting's keynote speaker will be Robert J. Lefkowitz, MD, James B. Duke Professor of Medicine and Professor of Biochemistry at the Duke University Medical Center. Dr. Lefkowitz has been an Investigator of the Howard Hughes Medical Institute since 1976. He has received numerous awards and honors for his research, including the National Medal of Science, the Shaw Prize, the Albany Prize, and the 2012 Nobel Prize in Chemistry. He was elected to the USA National Academy of Sciences in 1988; the American Academy of Arts and Sciences in 1983, and the Institute of Medicine in 1994. He is best known for his studies of G protein coupled receptors, a field which he has pioneered for 45 years.



A live video stream is available here: [CLICK HERE](#)

The Watanabe Prize in Translational Research presented by the Indiana CTSI and the IU School of Medicine recognizes a member of the scientific or medical community who has achieved outstanding accomplishments in translational research. As the recipient, Dr. Lefkowitz will spend several days in Indiana to share his knowledge with audiences at the IU School of Medicine and partner institutions. The Indiana CTSI annual meeting will also highlight two outstanding young investigators named Watanabe Translational Scholars. They will present a brief overview of their research during the event and will be mentored by Dr. Lefkowitz over the next two years.

**The Indiana CTSI will also host a poster session as part of the 2016 annual meeting. The poster session is open to Indiana CTSI trainees (KL2, TL1), Indiana CTSI supported researchers, Indiana CTSI program services, Indiana CTSI program partnerships, and others. There will be Best Poster prizes for trainees and investigator categories. The IU School of Medicine Research Rally will also take part in the poster session. The Research Rally, a showcase of core services available on campus to assist investigators, boasts a field of seventeen support cores prepared to speed the course of research projects.**

To access a draft of the full meeting agenda please click here: [Agenda Page 1](#) [Agenda Page 2](#)

For more information, contact Indiana CTSI at [info@indianactsi.org](mailto:info@indianactsi.org).

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## Notre Dame researcher to participate in NCATS/Lilly externship program







Henry Conner, IV, Ph.D., from the [Indiana CTSI at Notre Dame](#) has been selected by the National Institutes of Health's [National Center for Advancing Translational Sciences](#) to participate in the NCATS/Lilly Scholars Externship Program. Projects for the six-month externship will begin at the end of the July and finish during the first week of February 2017.

Dr. Conner received the award for his project, "Translational Pharmacology of Diabetes." During his time at Lilly, Dr. Conner will work under the guidance of a research fellow in Lilly's Global pharmacokinetic/pharmacodynamics and pharmacometrics department with a focus on drug discovery and development in diabetes research.

Dr. Conner graduated from Wabash College in 2006 with a B.A. in Biology. He attended the University of Notre Dame for his doctorate degree in Biology, with his thesis focusing on neuroregeneration. Primarily, his thesis work was centered on finding a potential cure for retinal blindness in humans through discovering how zebrafish are able to regenerate retinal tissue after blindness. He is currently at Notre Dame completing postdoctorate work in reprogramming and cancer in human cells to determine whether some cancer cells are able to undergo a process similar to reprogramming in order to revert backwards in development to a more stem cell-like state. This could allow cancer cells to form new tumors during metastasis, to repopulate/ recapitulate original tumors following remission.

The NCATS Lilly Externship Program supports the training and education of participants in techniques and principles needed to pursue research in one of the world's premier pharmaceutical companies. The primary objective of the externship program is to enhance core competencies in clinical trial design, clinical pharmacology, toxicology and other areas critical to the drug development process.

For more information about Notre Dame's research, visit [biology.nd.edu](#). To learn more about the research and work at the Indiana CTSI at Notre Dame, visit [ctsi.nd.edu](#).

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## CheP-funded community-based research project examines local food security in Bloomington



Through pilot funding from the Indiana CTSI's [Community Health Partnerships \(CheP\)](#), a team of investigators in Bloomington, Ind. launched a community-based research project that examined local food systems and markets and evaluated the demand for locally-produced foods among marginalized populations, resulting in a reproducible methodological framework in order to consider local foods as a means to fight food insecurity in Bloomington and beyond.

The project, "Infusion or Assimilation: Barriers to the Integration of Local Food Systems Across the Community," was a collaboration between principal investigator, James Farmer (Dept. of Recreation, Park and Tourism Studies at the Indiana University School of Public Health at Bloomington), Cliff Edens (Monroe County United Ministries), Megan Hutchison (Local Growers' Guild), and Marcia Veldman (Bloomington Community Farmers' Market; Bloomington Parks and Recreation).

"It was our perspective that local foods are often promoted as a means to combat food insecurity, however, this lofty goal is all too often evasive in being realized," said Dr. Farmer, "Consequently, the project team decided to take a step back and consider local foods and food insecurity by looking at the entire system – beginning with developing a better understanding of the possible demand for local food among individuals experiencing food insecurity."

Having noticed that local food advocates typically praise the inclusive nature of the movement and its ability to increase community food security, the team of community- and university-based research partners also noted that critics suggest that those with cultural or economic privilege are often the ones that have best access to, and most often take advantage of, local food opportunities.

In their community-based research project, the team evaluated the demand and value for locally produced food among marginalized populations, assessed the impact of current farmers' market programs aimed at decreasing economic barriers for locally-produced products and explored interest among local food producers in providing additional local food venues and outlets for reaching marginalized populations.

### The Process

The team conducted research in four phases. In phase one, the team conducted door-to-door surveys with Bloomington residents and discovered most have a neutral to moderate priority for local food, and even more so for fresh food. They also found that food values are largely measured by locality and health, along with affordability and ease of preparation. The team also noted that difficulty in transportation is critically important to being able to procure local, fresh food.

In phase two, the team surveyed, by mail, local farmers who sell locally and support local food systems. The team found that 58% showed interest in aggregating products for wholesale distribution. They were also willing to sell to contract buyers if increases in sales could be guaranteed. This group of farmers also believed that health, nutrition and food security were primary benefits of local food and would be willing to sell at discounted rates for low-income individuals. Finally, the results suggest that supply (amongst those surveyed) may not be adequate to meet the demand, a common bottleneck in the local arena.

In phase three, the team interviewed local stakeholders involved in food security and food systems in Bloomington. Pervasive interview themes included awareness around food poverty and insecurity, competition between local agencies for funding support in their endeavors to address food security and a trend that those who are closest to food inequalities are most often the ones to take action.

Lastly, the researchers surveyed users of Monroe County's SNAP food assistance program and non-SNAP shoppers at the Bloomington Community Farmers' Market. Significant findings include that SNAP users were more likely to purchase fruit, honey, meat, cheese, eggs and other dairy products than non-SNAP users. Additionally, while SNAP users spent less out-of-pocket money at the market, they spent more money when combining personal dollars with SNAP benefits, had more children per household and had greater difficulty in getting to the market than non-SNAP users. Moreover, 72% of SNAP users would still shop at the market even if they could not use their benefits there.

### Results & Next Steps

As a result, the researchers developed a community action plan and held Bloomington's first Food Security Summit on June 16, 2016 to share their findings and work with

CheP-funded community-based research project examines local food security in Bloomington \_ news.htm[1/26/2017 3:54:31 PM]

community stakeholders to develop models for continued investigation. The meeting included a community SWOT analysis, model development and planning for next steps.

Four groups developed models that encompass reducing transportation burdens on low-income households. Groups also developed the framework for both food truck models and a model for transporting people to local foods.

“Attendees from the meeting are now floating the conceptual models by their colleagues and other stakeholders in order to receive feedback and critical insight,” said Dr. Farmer, “Our next step will be to reconvene and decide on one or two models to further pursue, identifying leaders for each model and possible funding sources.”

**Pilot Funding from CHeP**

CHeP will release its next round of community-based project pilot funding RFAs in the spring of 2017. Proposals require a collaboration between community- and university-based project leads and co-leads, with both partners based in Indiana. Project timelines should be around 12 months, with up to \$25,000 in awarded funds available for selected projects. The health topic focus for the 2017 round of proposals is to be decided at a later date. To learn more about CHeP and its funding opportunities, visit <https://www.indianactsi.org/chep>.



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## Purdue opens new Chemical Genomics Facility at Discovery Park

Purdue University recently committed significant resources to establish a [Chemical Genomics Facility \(CGF\)](#) at the [Purdue Institute for Drug Discovery](#) located at Purdue's [Discovery Park](#).

The mission of the CGF is to provide investigators with cost-effective access to high-throughput screening (HTS) and high content screening (HCS) of structurally diverse, drug-like small molecules. This would facilitate the identification of chemical tools to study biological pathways and the discovery of lead compounds for the development of novel therapeutics and diagnostic applications. The new facility is equipped with state-of-art instrumentation, large collection of chemical libraries and staffed with experienced personnel. Major services include:

- Consultation on assay development, implementation, validation and miniaturization specific to the target of your interest. Type of assays implemented includes:
  - In vitro enzymatic activity assays
  - In vitro protein binding assays
  - Cell proliferation assays
  - Cell-based transcription (reporter gene) assays
  - Image-based cell phenotypic screening assays
- Pre-plated compound library ready for assays that are performed in 384-(preferred) or 96-well plate format;
- High throughput screening and high content screening using liquid handling robots and automated plate readers and high content imaging acquisition and analysis;
- Assistance with data analysis and compound selection will be provided as needed;
- Post-screen hit validation (dose dependence, binding evaluation, etc.)



For more details about the instruments and libraries, please visit [purdue.edu/discoverypark/drug-discovery/facilities/cgf](http://purdue.edu/discoverypark/drug-discovery/facilities/cgf). To schedule equipment usage, please contact Dr. Lan Chen at [lanchen@purdue.edu](mailto:lanchen@purdue.edu) or call (765) 496-6668.

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## August 2016 Indiana CTSI Opportunities



### Biostatistics walk-in clinic

The [Biostatistics Core](#) holds a no-cost weekly walk-in clinic, Mondays from noon - 2:00 pm. A biostatistician is available to provide brief consultations on study design, sample size and power calculations, data analysis advice, interpretation of results, and statistical software. If more in-depth (or potentially fee-based) support is needed, a biostatistician will guide you to the appropriate person.

No reservations are required. This clinic is provided courtesy of the [Department of Biostatistics](#) and the [Indiana CTSI Design and Biostatistics Program](#). The walk-in clinic is in the Rotary Building, Room 130 (immediately to the right and down the hall, after entering through the main entrance). The clinic will be held from noon - 2:00 pm every Monday for the rest of 2016, except Sept. 5 and Dec. 26.

**REDCap Office Hours are every Monday & Wednesday**

Have questions about [REDCap](#)? Indiana CTSI offers REDCap Office hours every Monday and Wednesday from 3 - 4 pm in RF 321.

Upcoming sessions at Regenstrief Institute from 3 – 4pm in RF 321:

- Wednesday, Aug. 3rd
- Monday, Aug. 8th
- Wednesday, Aug. 10th
- Monday, August 15th
- Wednesday, Aug. 17th
- Monday, Aug. 22nd
- Wednesday, Aug. 24th
- Monday, Aug. 29th
- Wednesday, Aug. 31st

Regenstrief Institute  
1101 West 10th Street  
Indianapolis, IN 46202

REDCap consultations are also available by appointment. Please contact [hubsupport@indianactsi.org](mailto:hubsupport@indianactsi.org) to request an appointment.

**Final Data Core Lunch and Learn Session is Aug. 23**

The [Regenstrief Data Core](#) was recently approved as a [CTSI Designated Core](#). This core has been a central resource for electronic health care data access for decades, and serves both the Regenstrief Institute and the IU School of Medicine. To learn more about the core and how it contributes to research studies, you can attend the final lunch and learn session on Tuesday, Aug. 23 from noon - 1 pm at the Joanne Fox Social Hub, 1101 W. 10th St. To register, contact Patricia McGuire at [pcmcmguir@regenstrief.org](mailto:pcmcmguir@regenstrief.org).

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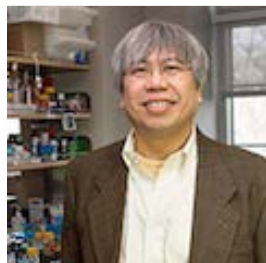
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## August 2016 Indiana CTSI Announcements



### Ybe appointed Indiana CTSI research navigator for IU Bloomington campus

Joel Ybe, Ph.D., senior research scientist in the IU School of Public Health-Bloomington and the Institute for Research on Addictive Behavior (IRAB) is now the Indiana CTSI research navigator for the IU Bloomington campus and will serve as the entry point for all Indiana CTSI investigators across the IU Bloomington campus. [READ MORE](#)

### Chemical Genomics Core has updated equipment and expanded workspace to accommodate Precision Health Initiative

The Chemical Genomics Core Facility has spent the last 4 months streamlining the instrumentation and workspaces to better accommodate cell-based screening assays; including doubling of our culture incubator space and the purchase of instrumentation for the transfer of compounds from our libraries to adherent cells in culture. Additional expansion of instrumentation in the coming year is anticipated as part of the Precision Health Initiative for which the Core will play a major role supporting the expansion of research in Chemical Biology.

The Core Facility is located within VanNuys Medical Science Building at the IU School of Medicine-Indianapolis campus. Equipped with a collection of 227,680 diversity-oriented, drug-like, and natural small molecules in 9 non-redundant libraries, a variety of automated liquid handling and assay detection systems such as EnVision Multiplate reader and ArrayScan HCA System, modern equipment for medicinal chemistry including NMR, LC-MS, and Peptide Synthesizer, and experienced staff members, the Core aims to provide sophisticated high-throughput screening and high content analysis to Indiana University investigators and industrial researchers as well.

The Core is fully operational with help from Dr. Jingwei Meng ([mengj@iu.edu](mailto:mengj@iu.edu)) who has over 20 years of combined experience in biochemistry, high-throughput screening, assay development and bioinformatics and Dr. Lifan Zeng ([zengl@iu.edu](mailto:zengl@iu.edu)), Director of Medicinal Chemistry, who oversees medicinal drug discovery, consultation of structural analysis, small molecule design, and synthesis. We are enthusiastic in participating and/or supporting your projects through acquisition of outside funding. For collaboration, please contact Dr. Thomas Hurley at [thurley@iu.edu](mailto:thurley@iu.edu), (317) 278-2008. You can also visit the website at [www.biom.iu.edu/chemgen/contact.html](http://www.biom.iu.edu/chemgen/contact.html).

### REDCap Upgrade coming September

A major version upgrade for the [Indiana CTSI REDCap](#) is scheduled for release in early September 2016.

A few highlights of the new features include:

- **Enhanced radio buttons and checkboxes for surveys:** A new survey option "enhanced radio buttons and checkboxes" can be found on the Survey Settings page in the Online Designer in which a user can enable the feature so that radio buttons and checkboxes are displayed differently on the survey page, in which they appear as large animated buttons that look more modern and stylish than traditional radios and checkboxes. This new feature can be enabled for any given survey in a project where it will transform \*all\* radios and checkboxes on the survey into the enhanced version. Note: This feature does not work for radios and checkboxes in a matrix.
- **Create custom public survey link:** On the "Public Survey Link" page in a project that utilizes surveys, users now have the option to create their own custom public survey link that begins with "<http://is.gd>" (e.g., <http://is.gd/diabeticsurvey>), in which the custom URL will simply redirect to the public survey in their project. They may enter a desired URL, and it will check if the URL has already been taken. If not, it will store that custom URL in the project so that it is always able to be obtained on the Public Survey Link page.
- **New Action Tags:**
  - **@USERNAME** - Sets a field's value to the username of the current REDCap user
  - **@DEFAULT** - Sets a field's initial value.
  - **@HIDEBUTTON** - Hides the 'Now' or 'Today' button
  - **@APPUSERNAME-APP** - In the REDCap Mobile App, this action tag sets a field's value to the app username of the current mobile app user

For a list of all available action tags, click on the "Learn about Action Tags" link on the Add New Field dialog box.

To request an IU/CTSI REDCap account, please go to the [REDCap Account Request Form](#).

For support requests, please contact Indiana CTSI HUB Support at [hubsupport@indianactsi.org](mailto:hubsupport@indianactsi.org).

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## All Open Indiana CTSI Request for Proposals

This page lists all Indiana CTSI funded proposals currently accepting applications. You can click on the grant title for further details for that grant. The "START" link at the bottom of each grant will take you to the CTSI grants system (which requires login) and start the application process.

### Infectious Diseases T32 Training Program- 2017.03

#### APPLICATION SUBMISSION DEADLINE - MARCH 07, 2017

This training opportunity is a collaborative effort between the Division of Infectious Diseases (ID), Department of Medicine; the Sections of Adolescent Medicine and Infectious Disease & Global Health, Department of Pediatrics; the Department of Dermatology and; the Department of Microbiology and Immunology.

The primary mission of this multidisciplinary training program is to train well qualified MD and PhD scientists for productive and sustainable careers in research. The scope of training ranges from bench science to implementation research. In addition, as team science is rapidly becoming the primary mode of operation for biomedical scientists addressing complex questions related to human health, this opportunity emphasizes training investigators who are familiar with the practices, procedures, and languages of collaboration necessary for creating and working within a productive team. This opportunity uses a broad based integrative approach, supported by excellent mentors, in order to achieve the goal of training superb researchers for the next generation.

### IIMR VA Young Investigator Award (YIA) - 2017.02

#### LETTER OF INTENT (LOI) DEADLINE JANUARY 18, 2017

#### APPLICATION SUBMISSION DEADLINE - FEBRUARY 08, 2017

IIMR's mission is to promote and enhance research efforts that will ultimately result in improved quality of life for veterans and for the greater population. In support of that mission, IIMR works to encourage investigators to develop their research careers by working with IIMR and the VA and veterans to answer important questions. One way IIMR encourages investigators is to sponsor the annual Young Investigator Award Program, which provides a competitive experience for investigators to explore the possibilities of VA-related research.

The IIMR is currently seeking submissions for clinical, basic science and translational research. It is expected that two meritorious awards will be funded through this RFA cycle. Project budgets should be limited to those funds necessary to carry out the research project and should limited to \$25,000.

Please note: If you want to attend a grants writing workshop or educational session prior to completing your YIA submission, please contact the IIMR via Mary.Gray1@va.gov, 317.988.9544, or refer to the IIMR website at iimrindy.org. Our office will be happy to assist you in enrolling in a workshop or session.

### MD/MS Fellowship Program: Year in Translational Research for Medical Students - 2017.03

#### SUBMISSION DEADLINE - MARCH 07, 2017 (4:00 PM)

The Indiana Clinical and Translational Research Institute (CTSI) is seeking applicants for a special research fellowship in translational research. This fellowship program will be awarded through a competitive process. CTSI will provide an annual stipend and one year of health insurance coverage for as many as two IUSM medical students interested in taking a year out of medical school to pursue an M.S. in Translational Science.

### CTSI - IU Kelley MBA Core and Project Business Management Assistance - 2017.01

#### SUBMISSION DEADLINE – JANUARY 16, 2017 (5:00 PM)

The Indiana CTSI, jointly with the IU Kelley School of Business, offers to provide for a team of 2-5 Indiana Kelley MBA students (from the residential-MBA program in Bloomington) to be your partners for the project as a part of their independent study program for course credit. Project duration will be 8 weeks. Selected cores will be expected to engage with the MBA students for initial project scope (2 hours), additional follow-up or onsite meetings (8-12 hours) and a final project close-out (1-2 hours). The MBA students will contribute 30-100 hours each (depending on the project scope, number of team members and course credit assignment) to the project progression in turn. **Selected projects will commence in February - March 2017 and will be completed by early May.**

### CTSI Young Investigator Award in Clinical - Translational Research - 2017.01

#### SUBMISSION DEADLINE - JANUARY 17, 2017 (5:00 PM).

The Indiana Clinical and Translational Sciences Institute (CTSI) is seeking applicants for the CTSI Young Investigator Awards in Clinical-Translational Research. These awards are designed to provide promising junior investigator faculty with the opportunity to be mentored in research-intensive multi-disciplinary settings toward the goal of developing careers in clinical-translational research. Clinical research includes epidemiological studies, clinical trials, or other investigations involving human subjects. Translational research consists of either "T1 research"

(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](#)

