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About

News & Events

**Research Resources** 

Training & Education

Grants & Funding

Community Engagement

Volunteer for Research

Tools

Login | Request Indiana CTSI account

count (Q

Meetings ▼

Archives ▼

Contact

# Indiana CTSI and IU School of Medicine to host Indiana Musculoskeletal Symposium

Indiana University School of Medicine, in partnership with the Indiana Clinical and Translational Sciences Institute, will host the Indiana Musculoskeletal Symposium on June 1-2, 2016 at Hine Hall.

The symposium, "Repair and Regeneration of Musculoskeletal Tissues: Academia, Industry and the Battlefront," 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 battlefront and for all wounded warriors with acute or chronic musculoskeletal disorders.

Newsletter ▼

Paul F. Pasquina, M.D., Colonel, U.S. Army (ret) 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.

In addition to Dr. Pasquina, several speakers from government organizations including the United States Department of Defense and the United States Combat Casualty Care Research Program have been invited. Confirmed speakers from partner institutions include:

- Eric Elster, M.D., Chairman of Surgery, Uniformed Services University
- 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

INDIANACTS/ Accelerating Clinical and Translational Research INDIANA UNIVERSITY

#### INDIANA

MUSCULOSKELETAL SYMPOSIUM
Repair and Regeneration of Musculoskeletal Tissue
Academia. Industry and the Battlefront

Hine Hall 850 W. Michigan St. Indianapolis, IN

#### MEETING OVERVIEW

A forum for investigators throughout the state of Indiana in academia and industry to present current work that is translatable and deliverable to the acute needs of soldiers at the battlefront, and for all wounded warriors with acute or chronic musculoskeletal disorders.

WEDNESDAY, JUNE 1 8 AM - 5 PM

7:30 - 8:00 AM Registration and Continental Breakfast Welcome: Anantha Shekhar, M.D., Ph.D., Executive Associate Dean for Research Affairs, IU School of Medicine; 8:00 - 8:15 AM 8:15 - 8:30 AM rald, Ph.D., Director, Indiana Center for Musculoskeletal Health, IU School of Medicine 8:30 - 9:15 AM Keynote Speaker: Paul F. Pasquina, M.D., Col., U.S. Army, Chair, Department of Physical Medicine & Rehabilitation, USUHS 9:15 - 9:45 AM Burns and Muscle Repair: Teresa Zimmers, Ph.D., IU School of Medicine Department of Surgery, IU Simon 9:45 - 10:15 AM Orthopaedic Trauma: Brian Mullis, M.D., IU School of Medicine Department of Orthopaedic Surgery 10:15 - 10:30 AM 10:30 - 11:30 AM Fracture Healing: Melissa Kacena, Ph.D., IU School of Medicine Department of Orthopaedic Surgery Cartilage Repair: Stephen Trippel, M.D., IU School of Medicine Department of Orthopa Regenerative Medicine: Keith March, M.D., Ph.D., IU School of Medicine, Department of Medicine 11:30 AM - NOON Treating Volumetric Muscle Loss in Limbs: Benjamin Corona, Ph.D., U.S. Army Institute of Surgical Research NOON - 12:45 PM Networking Lunch 12:45 - 1:15 PM Poster Presentations 1:15 - 2:30 PM

(continued on back)

econdary Health Effects of Injury: Greg Gaski, M.D., IU Health

Precision Medicine: Eric Elster, M.D., Uniformed Services University, Walter Reed Department of Surgery

Long-term Outcomes of Multiple Injury Patients: Ben Zarzaur, M.D., M.P.H., IU School of Medicine, Department

A statewide partnership with Indiana University, Purdue University and the University of Notre Dame Indiana CTSI 410 W. 10th Street Indianapolis, IN 46202 (317) 278-CTSI (2874) Info@indianactsiorg www.indianactsiorg IU School of Medicine 340W. 10th Street Indianapolis, IN 46202 www.medicine.iu.edu lusm@ju.edu

IU School of Medicine and Indiana CTSI speakers include:

- 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

2:30 - 3:30 PM

- Ben Zarzaur, M.D., M.P.H., Associate Professor of Surgery
- Jaipal Singh, Ph.D., Visiting Professor of Cellular and Integrative Physiology

The symposium will also offer a poster session for investigators who would like to present work. Poster submissions are accepted until April

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18. To submit a poster, click here.

To download the full tentative meeting agenda, register for the symposium and stay up-to-date on the latest details, visit IU School of Medicine's research topic hub.

REGISTER FOR THE MEETING

DOWNLOAD MEETING AGENDA

SUBMIT A POSTER (Submit by April 18)

Questions? Email info@indianactsi.org









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News & Events

Research Resources

Training & Education

**Grants & Funding** 

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Volunteer for Research

Tools

News Center Newsletter ▼ Announcements ▼ Meetings ▼ Archives ▼ Contact

# Mirmira joins Indiana Biosciences Research Institute

On Wednesday, Jan. 27, 2016 the Indiana Biosciences Research Institute (IBRI) announced the appointment of internationally recognized diabetes and metabolic disease research scientist Raghu Mirmira, M.D., Ph.D., as the first Indiana Research Fellow and interim Scientific Director for the Institute. Dr. Mirmira will also serve as Core Laboratories Director for IBRI. In these leadership roles, Dr. Mirmira will work closely with David Broecker, President and CEO of IBRI, to recruit additional research scientists to IBRI, establish research operations and commence project work.

"We are very excited to have Dr. Mirmira join IBRI's leadership team at this critical stage of establishing research operations for the Institute," said David Broecker. "Raghu is a unique and talented researcher with a track record of building nationally recognized research centers."

"Under Dr. Mirmira's leadership, Indiana University School of Medicine (IUSM) received NIH funding to support the IU Center for Diabetes and Metabolic Diseases (CDMD)," added Dr. Jay Hess, Dean of the IU School of Medicine. "We look forward to working with IBRI to establish a highly collaborative environment across our institutions to conduct research that is high impact and ultimately will improve people's lives."

Dr. Mirmira, the Eli Lilly and Company Professor of Pediatric Diabetes, Director of the NIH-funded IU Center for Diabetes and Metabolic Diseases, Director of IU's Herman B Wells Center's Pediatric Diabetes Research Group, and the Director of the NIH-funded Medical Scientist Training Program for combined M.D./Ph.D. students, is a recognized expert in understanding the molecular mechanisms that are relevant to the formation of islet cells within the pancreas. In addition to his leadership role at IBRI, he will continue to pursue his current research focus, the restoration of function to insulin-producing beta cells, with his research team of ten scientists, physicians, Ph.D. fellows, and graduate students at the IU CDMD.

"I am also very excited to collaborate with David on the launch of research activities at IBRI," explained Raghu. "We are committed to building an organization that complements and enhances the capabilities of the IU Center for Diabetes and Metabolic Diseases, as well as Indiana's vibrant life sciences 'eco-system' of companies and other research institutions."

Dr. Mirmira received his bachelor's, M.D., and Ph.D. degrees from the University

of Chicago. His interest in diabetes began in his Ph.D. years, during which time he studied how insulin binds to cells to effect its actions and for which he earned the Marc Perry Galler Award.

Following the completion of his advanced degrees, Dr. Mirmira served his medical residency and subspecialty training in diabetes and endocrinology at the University of California at San Francisco. During his fellowship, Dr. Mirmira received the Physician Postdoctoral Fellowship Award from the Howard Hughes Medical Institute and a Research Career Award from the National Institutes of Health for his work.

In 2000, Dr. Mirmira joined the faculty at the University of Virginia, where he studied how other cells in the body could be "reprogrammed" to produce insulin, and thereby serve as surrogate beta cells for individuals with diabetes.

Dr. Mirmira has received donor support and multiple grants for his research, including the Thomas R. Lee Career Development Award from the American Diabetes Association, NIH R01 grants, and Juvenile Diabetes Research Foundation awards. He has been nationally acknowledged as one of only 9 medical researchers in the country (and the only diabetes researcher) to receive the Discovery Health Channel Medical Honors Award.

Dr. Mirmira serves as a member of the Diabetes, Endocrinology and Metabolic Diseases B Subcommittee of the Diabetes and Digestive and Kidney Diseases Initial Review Group, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health.

#### About the Indiana Biosciences Research Institute

The Indiana Biosciences Research Institute is a non-profit, independent research organization focused on metabolic disease and poor nutrition. The mission of IBRI is to invest in entrepreneurial research talent to rapidly advance innovation that improves the health of individuals and the community in collaboration with others.

IBRI was inspired by Indiana's leading global life science companies and academic research institutions. Initial funding has been provided by the State of Indiana, the Lilly Endowment, Eli Lilly and Company, Dow AgroSciences, Roche Diagnostics, Indiana University Health and the



by IUPUI; concept by Tufts CTSI.



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Contact:
info@indianactsi.org

Indiana University School of Medicine. For more information about IBRI, please see our website at <a href="https://www.indianabiosciences.org">www.indianabiosciences.org</a>.







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About

News & Events

Research Resources

Training & Education

Grants & Funding

Community Engagement

Volunteer for Research

Tools

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News Center Newsletter ▼ Announcements ▼ Meetings ▼ Archives ▼ Contact

# Registration is now open for the RCEDU Level Two Program

The Indiana Clinical and Translational Sciences Institute and the IU Office of Research Compliance (ORC) are pleased to announce that registration is now open for the spring 2016 offering of the Research Coordinator Education (RCEDU) Novice Coordinator Education--Level Two Program (formerly known as RCEP).

The Novice Coordinator Education program will be held on March 30 and 31, 2016 from 8 am - 4:30 pm at the Regenstrief Institute, 1101 W. 10<sup>th</sup> St., rooms 209 & 210.

Lectures and interactions will be presented, allowing participants to:

- Identify best practices for new research personnel related to clinical research from start to finish, including IRB submission basics, managing and reporting adverse events, and basic study budgets
- Compare investigator responsibilities to research coordinator/associate responsibilities
- · Recognize areas that might affect research such as privacy, billing compliance, and subject recruitment and retention
- Summarize study drug requirements and drug accountability for those interested in biomedical research; for those interested in behavioral/observational studies, summarize interviewing techniques and tools

All interested coordinators are invited to complete the registration form found at: https://redcap.uits.iu.edu/surveys/?s=AJTADAPXHH.

Registrants must have at least six months of experience in human subjects research. The first 50 registrants will be accepted. There is no longer a fee for this offering. CME credit will not be provided. While this offering is not mandatory, it is highly recommended for new research personnel.

Registration is available now (effective Feb. 1), and will close at 50 registrants. Please contact rceducat@iupui.edu with questions or requests for further information. General information about the RCEDU initiative can be found at www.indianactsi.org/training/coordinators.

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**Research Resources** 

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**Community Engagement** 

Volunteer for Research

Tools

Login | Request Indiana CTSI account

**News Center** Newsletter ▼

Announcements ▼

Meetings ▼

Archives •

Contact

Q

# February 2016 Indiana CTSI Announcements

#### **Program and Core Updates**

- The Center for Medical Genomics has moved to new facilities in Walther Hall (R3-C417). All of the sequencing, microarray and genotyping equipment is back on line. Contact them to learn more about their services.
- The Imaging Research Facility at Bloomington held a Neuroimaging Hackathon in October. Click here to read more and view photos of the event.
- . The Flow Cytometry Resource Facility completed installation of recently acquired single cell genomic and proteomic analyses equipment. Earlier this month, the Flow Cytometry Resource Facility at the IU Simon Cancer Center completed the installation of the new single cell genomic and proteomic analyses equipment recently acquired by IU School of Medicine from Fluidigm. Single cell genomic analyses (including as an example targeted gene expression, mRNAseq, and genotyping) can be performed on the C1, Biomark, and Juno instruments, while single cell proteomics can be performed on the CyTOF2. The CyTOF2 will be able to interrogate up to 32 surface and intracellular markers simultaneously. These instruments will be available through the FCRF on a fee-for-service basis and we are currently establishing these fees. For a limited time, and through support from Fluidigm, the FCRF will be able to partially support investigations using these technologies. For additional information, please visit https://www.fluidigm.com/systems and https://www.fluidigm.com/products/helios or email Edward F. Srour, Ph.D. (esrour@iu.edu) for help in experimental design and/or how to apply these technologies to your research.

#### Services Updates

• Indiana Biobank offers kit production, biobanking, data reconciliation and other sample infrastructure support. In addition to providing samples and data to researchers, the Indiana Biobank also partners with other repositories to leverage IB infrastructure. The infrastructure includes a kit production core that provides sample collection kits for a wide range of sample types. It also includes receiving, processing and distributing samples for other repositories, providing centralization of these processes on campus. One of the partner repositories is The Platinum Study. The Platinum Study is an R01 that collects samples to study the genetic susceptibility and biomarkers of platinum-related toxicities. Lois Travis was recruited to the IUSCC from the University of Rochester last year. The Indiana Biobank is providing kit production, biobanking and data reconciliation services for their repository. To date, samples from 237 subjects from study sites across the United States and in Canada have been received and stored in the Indiana Biobank. For more information on this service, email Brooke Patz at bpatz@iu.edu.



- Office of Visual Media now offers foldable fabric printing for academic posters. The Office of Visual Media, a long-standing source for printing academic posters, is now offering fabric printing. Convenient for packing and traveling, the fabric is foldable and virtually crease-free, with the same quality as traditional paper. Posters can be printed as wide as 48" and in any length. Poster templates are available for downloading. In a time crunch? Call to see if same-day service is available. Visual Media continues to offer graphic design, medical illustration, photography, and poster design/layout. Email vismedia@iu.edu or call 317-274-7478.
- The Indiana Biobank seeks healthy controls for research study. The Indiana Biobank was established in 2011 to help improve the health of Hoosiers by providing researchers with biological samples and health information for their discovery research which may lead to new ways to treat and cure disease. Over 23,000 Hoosiers are currently participating in the Indiana

Biobank. The Indiana Biobank is currently looking for healthy people to be part of a research study. If you are interested in participating in the Indiana Biobank and would like to learn more about this opportunity, contact Brooke at bpatz@iu.edu or 317-278-5939.

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Community Engagement

Volunteer for Research

Tools

# 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.

#### STAR1

#### 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, resisdent, 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 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 popluations 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.

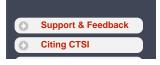
#### CTSI Postdoctoral Training Awards in Translational Research - 2016.02

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.

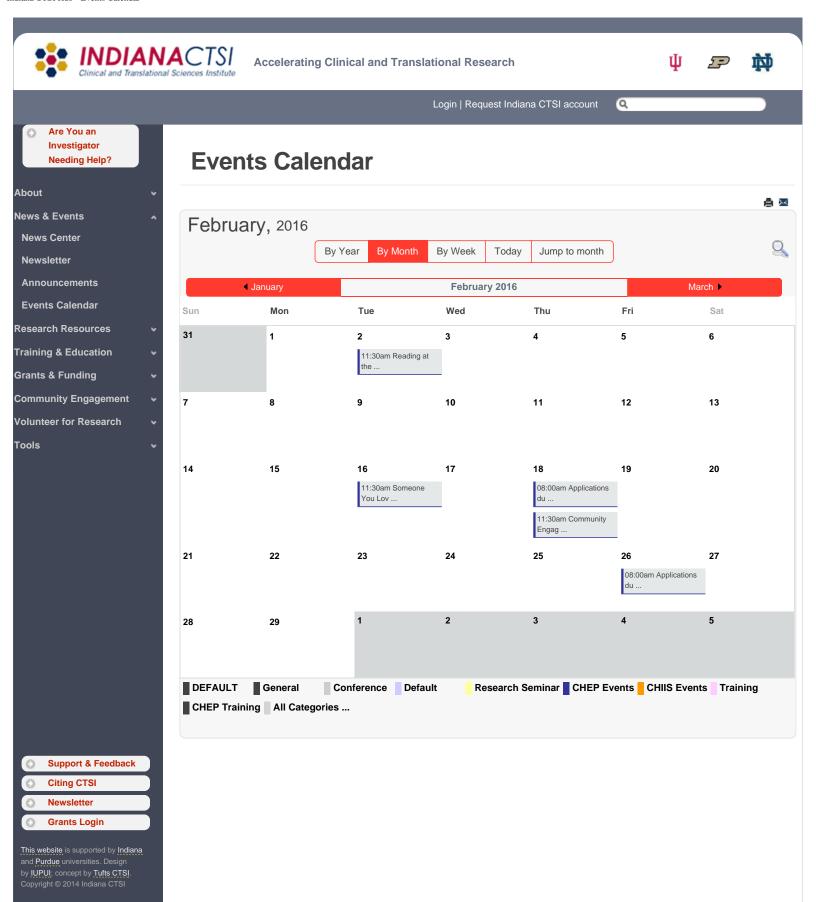




# Symposium, Workshop, and Conference Funding Program RFA

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** 



info@indianactsi.org