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Redesigning inpatient care: Transforming health care one unit at a time

An innovative inpatient care model utilizing multidisciplinary accountable care teams reduced hospital stays and lowered costs even beyond those associated with fewer days of hospitalization, according to a new study published in the December issue of the Journal of Hospital Medicine.

The Accountable Care Teams model, ACT model for short, is based on three foundational domains (1) enhancing interpersonal collaboration between healthcare team members; (2) enabling data-driven decisions and (3) providing leadership.

The ACT model was developed at [Indiana University Health](#) Methodist Hospital with consultation from the [Indiana University School of Medicine](#) and the Indiana Clinical and Translational Sciences Institute's [Center for Health Innovation and Implementation Science](#). The care model has been implemented across this urban hospital, which serves over 30,000 patients annually.

"The ACT model is front-line driven," said [Areeba Kara, M.D.](#), who led the study measuring the impact of the new care model. "ACT inoculates good practices, develops cultures of cooperation and enhances personal connections with the institution -- all contributors to better patient care and increased job satisfaction."

A variety of tools, which can vary by hospital unit or hospital, support these efforts. These tools could include daily huddles to discuss patient's needs for safe transition out of the hospital; hospitalist and specialist co-management agreements; monthly review of unit-level data including length of stay, tracking of patient satisfaction scores, readmission rates and other metrics; and provision of leadership by designated hospitalists and, where relevant, specialty leaders.

"This evidence-based care concept could be adapted by medical, surgical or other inpatient units anywhere based on the foundational domains supported by locally relevant and institution-specific tools," said Dr. Kara. She is a hospitalist with Indiana University Health Physicians and an Indiana University School of Medicine assistant professor of clinical medicine.

"We studied the outcomes of the ACT model across the entire hospital except the ICUs," said study co-author [Siu Hui, Ph.D.](#), a Regenstrief Institute biostatistician and professor emeritus of biostatistics at the IU School of Medicine. "ACT decreased cost by \$649 per stay plus the significant amount saved by reduction in number of days spent in the hospital."

Almost all (95.8 percent) of care providers surveyed -- doctors, nurses and other practitioners -- agreed that the model had improved the quality and safety of the care delivered. More than 89 percent said it had improved communication with patients and families. About 82 percent said it had improved their engagement and job satisfaction. Three-quarters said it had improved their efficiency or productivity.

Authors of "Redesigning Inpatient Care: Testing the Effectiveness of an Accountable Care Team Model" in addition to Dr. Kara and Dr. Hui are Cynthia S. Johnson, M.A., of the IU School of Medicine and [Richard Fairbanks School of Public Health](#), and Amy Nicley, R.N., M.S.N., and Michael R. Niemeier, M.D., both formerly with IU Health.

"The true value of the model may be in its potential to monitor and drive change within itself. Continuously aligning aims, incentives, performance measures and feedback will help support this innovation and drive," the authors wrote.

According to the Centers for Disease Control and Prevention, inpatient care accounts for almost a third of healthcare expenditures in the United States. In 2010, 35.1 million patients were discharged from the hospital after spending an average of 4.8 days as an inpatient.

"The ACT inpatient care model is a fine example of applying implementation science to the goal of decreasing length of stays and lowering



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healthcare costs in a localized real world environment," said Nadia Adams, M.H.A., executive director of the Center for Health Innovation and Implementation Science.

"We held weekly meetings with ACT model facilitators from IU Health focusing on developing tools, processes and strategies for rapid, efficient and sustainable implementation of evidence-based practices to help develop and implement reproducible approaches that could meet the challenge of dissemination and scalability across various types of health care systems," Adams said.

The study was funded by a grant from the Indiana University Health Values Fund.

To learn more about the ACT model, read the full study in the [Journal of Hospital Medicine](#).

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January 2016 CTSI Informatics Report from Bill Barnett



Happy New Year to the Indiana CTSI community! With the increasing importance of data, analytics, online collaboration, and computation in translational science (and in every discipline), it is critical that our research informatics enterprise is responsive, transparent, and outcomes focused. That's why I was brought on as [Chief Research Informatics Officer](#) (CRIO) this past July. In this first 6-month status report, I'm reaching out with an update on our progress. Each 6 months I plan to summarize Indiana CTSI informatics accomplishments and plans, but also highlight one particular area, to update you and hopefully prompt some good feedback. For my first report, I thought a focus on background and vision would be helpful.

I joined the Indiana CTSI and [Regenstrief Institute](#) as their first CRIO on July 1, 2015. Some of you may not be aware, but I've been involved with the Indiana CTSI for the past 7 years, overseeing the HUB and other informatics services in my role as the Director the [Advanced Biomedical IT Core](#) (ABITC) in the Research Technologies Division of UIITS. So, although I am not new to some of my current responsibilities, the role itself is a great new set of challenges I'm excited about tackling and that I think has enormous potential for advancing research and care.

To prepare for this role, I developed a vision for an Office of the CRIO with Anantha Shekhar, M.D., Ph.D., Director, Indiana Clinical and Translational Sciences Institute, Executive Associate Dean for Research Affairs, IU School of Medicine and Titus Schleyer, DMD, Ph.D., Director, [Regenstrief Center for Biomedical Informatics](#) – the two

people behind creation of my role – as well as others on campus and partners such as IU Health.

Organizationally, that vision created 4 unified service areas: clinical research systems (such as the OnCore clinical trials management system), data management (such as REDCap), data analytics (eg., the Data Core), and web portals and community outreach (including the Indiana CTSI HUB). Each of these service areas works closely with the others and with the community of investigators and research staff who use them. The CRIO's Office also has a research mission – leveraging the medical informatics strengths of Regenstrief institute - to 'translate' informatics innovations to clinical and translational research.

Strategically, the CRIO's Office leverages these services to support research, enable new opportunities and partnerships, optimize the research process, and bring new research capabilities to the Indiana CTSI. We've been focusing on several key priorities:

- Patient cohort discovery, refinement, and recruitment for clinical research
- Research data management and integration with, for example, electronic health records (EHR)
- Support for clinical research and clinical trials management processes
- Improved analytical capabilities, including support for statistical analyses of large research data sets and data integration for 'Big Data' and precision medicine
- Research into clinical care, for example translating research outcomes into clinical decision support

I am fortunate to work with great teams from Regenstrief, ABITC, the Clinical Trials Office, Biostatistics, the Human Subjects Office, and IU Health, in addition to our CTSI informatics staff. Over the first 6 months, we have seen significant accomplishments:

- Put i2b2, a software application researchers can use to mine EHR data from IU Health and Eskenazi Health to create patient cohort counts. [Learn more about i2b2.](#)
- Supported the Clinical Trials Office and IU Health in integrating the OnCore clinical trials management system and IU Health's Cerner PowerTrials system. This integration will support patient safety notifications to IU Health clinicians of subjects participating in clinical trials and will facilitate patient recruitment as well. For more information, contact the Clinical Trials Office at cto@iu.edu or visit the [CTO website](#).
- Rolled out a mobile app for REDCap, widely used for clinical data management, that supports mobile data collection via smartphones. You can get it from your favorite app store and contact hubsupport@indianactsi.org for help.
- Piloted a prototype application with BioStorage Technologies that provides visual analytics dashboards of summary data from participating IU biobanks. Contact me if you're interested in learning more.

Plans upcoming in the next 6 months include:

- Designing a web-based tool to better integrate IRB submission with the clinical trials management system
- Developing a strategic research informatics infrastructure design that can support new uses such as precision medicine and Big Data analytics
- Expanding our i2b2 cohort discovery service via new partnerships with the PCORI Great Plains Collaborative network of 12 institutions

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and the CTSA Access to Clinical Trials (ACT) Network to provide access to similar data from many other institutions

- Working with Health Catalyst, who provides electronic data warehouse products to IU Health, to enhance our patient recruitment capabilities
- The IU School of Medicine is joining the Global Alliance for Genomics and Health, which sets standards for clinical care, ethics, data, and security for genomics – contact me to participate

I'd like to understand your needs, and where we need to improve what we're doing. Please feel free to ask me how informatics can help your research.

Bill Barnett, Ph.D.
Chief Research Informatics Officer, Indiana CTSI
barnettw@iu.edu

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Provide feedback for Indiana CTSI website redesign

In 2016, the Indiana CTSI website (www.indianactsi.org) will undergo a redesign. The goal is to improve the site to make it easier for users to quickly find information they need. We want to hear your thoughts and suggestions on how we can improve the site with updates that would be most useful to you. Please [click here](#) to access the short survey that we anticipate will take no more than 5 minutes to complete. If the link above does not work, copy and paste this link into your web browser: <https://redcap.uits.iu.edu/surveys/?s=CHDNRELKA>. Your responses will be anonymous.

Thanks for your help in this project!

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Workshops: Indiana's opportunity to lead in digital health

Join the Regenstrief Institute and the IU Richard M. Fairbanks School of Public Health for "Indiana's Opportunities to Lead in Digital Health," a series of three workshops aimed at improving health care in Indiana through better data analytics.

This series of three workshops will bring health care research and tech communities closer together. The free 2-hour breakfast workshops are sponsored by Ice Miller and organized by Regenstrief Institute, hc1.com and TechPoint. Workshop dates and topics are:

1. Are Hoosiers getting healthier? Putting data analytics to work - January
2. Can we do better at achieving wellness? Leveraging HIT - February
3. Is personalized care the answer? It's all about YOU(r health) - March



Each workshop will feature two special guest speakers who will deliver 10 minute presentations on emerging healthcare research and technologies followed by group discussion and Q&A.

Workshop 1: Are Hoosiers getting healthier? Putting data analytics to work

Tuesday, January 26, 2016

Featuring: [Paul Halverson](#), IU Richard M. Fairbanks School of Public Health & [Titus Schleyer](#), Regenstrief Institute

Indiana is one of the most wired states with respect to healthcare in the nation. Yet, it ranks poorly on many important health outcomes, such as deaths from cancer and cardiovascular disease, smoking rates, physical inactivity and infant mortality.

Health data and statistics gathered by federal agencies such as the Centers for Disease Control and Prevention typically tell us where we stand in terms of health rankings. But these data are neither real-time nor comprehensive in terms of describing the situation in Indiana.

To improve health and healthcare in Indiana, we need more up-to-date, comprehensive and actionable information. One important source for such information is the Indiana Network for Patient Care (INPC), which aggregates real-time healthcare information for hundreds of healthcare facilities and millions of patients.

Analyzing this information in a targeted but systematic way could provide better insights and help us make better decisions about health status, health services and health policy. We have the data but lack the necessary analytics capabilities.

QUESTION: Is this shortcoming actually an opportunity for the research and tech community to come together and solve for real-time, comprehensive health data?

WHEN

Tuesday, Jan. 26 from 8 am - 10 am

WHERE

Regenstrief Institute - 1101 W. 10th St. Indianapolis, IN 4602

To learn more or to register for this event, [click here](#).

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Indiana Biobank partners with NIFS for healthy control recruitment



The [Indiana Biobank](#) has seen an increase in requests for adults who could serve as healthy controls for custom collections.

As a result, the Biobank has partnered with the [National Institute for Fitness and Sport \(NIFS\)](#) to host recruitment events to identify and enroll NIFS patrons who could participate in the Biobank as healthy controls. NIFS is a non-profit organization that includes a fitness center that has served thousands of members since 1988. In addition to the fitness center, NIFS has performed numerous research projects that have been published in national journals and other publications and has provided services to organizations around the country. NIFS also has a Corporate Fitness Management Department that

staffs 30 onsite fitness centers for corporations in eight states around the country and a corporate outreach program that provides e-based services for companies in 18 states.

In December 2015, the Indiana Biobank hosted three recruitment events. A recruiter and a phlebotomist screened and enrolled subjects for several custom collections who qualified and agreed to participate. The samples were then transported to the Indiana Biobank lab for rapid processing. More recruitment events are planned for January 2016. For information about these recruitment events or questions about this partnership, contact Brooke Patz at bpatz@iu.edu.

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Office of Research Compliance to offer clinicaltrials.gov training

The Office of Research Compliance, along with the Indiana Clinical and Translational Sciences Institute (Indiana CTSI), is offering training on the ClinicalTrials.gov, Protocol Registration and Results system.

Please reserve your spot by visiting the University-wide Research Education Sessions & Registration [class schedule](#). To view training opportunities, select "Quality Improvement Office" in the "List classes for Area" drop-down. Available courses and dates are listed below.

Course Name: ClinicalTrials.gov Registration Module Training

Focus: System navigation, initial record registration

January 15, 2016

Noon-1:30 PM

Indianapolis, Lockefield Village (LV) 3301

Course Name: ClinicalTrials.gov Record Maintenance Training

Focus: Record updates, regulatory and institutional requirements for record maintenance

January 28, 2016

1-2 PM

Indianapolis, Lockefield Village (LV) 3301

February 23, 2016

3-4 PM

Indianapolis, Lockefield Village (LV) 3301

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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 be 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 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

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](#)

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January, 2016

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