Find resources and opportunities available to support scientific discovery at IU School of Medicine
Indiana University School of Medicine is a national leader in biomedical research. With more than 1,900 full-time faculty, $320 million in research awards and more than 500,000 square feet of dedicated research space, IU School of Medicine is well-equipped to take on bold research projects that promote groundbreaking scientific discovery while improving health care interventions, patient care and health outcomes.

Indiana also offers a vibrant life sciences community, including some of the world’s leading pharmaceutical, medical device and agbiosciences companies. The state is home to the global headquarters for Cook Medical, DePuy Orthopaedics, Dow AgroSciences, Eli Lilly and Co. and Zimmer Biomet as well as the North American headquarters for Roche Diagnostics. This means IU School of Medicine researchers have unique access and many options when it comes to collaborating with industry innovators, in addition to a robust system of health care partners statewide.

This brochure contains information about a variety of centers, programs, facilities and opportunities IU School of Medicine investigators can leverage to support their research goals.

The Indiana Clinical and Translational Sciences Institute offers many programs and services to support investigators at all stages of the translational research process. A National Institutes of Health-funded collaboration of IU, Purdue University and the University of Notre Dame, as well as public and private partnerships, the Indiana CTSI serves as a catalyst for scientific discovery that improves human health in Indiana and beyond.

The Indiana University Melvin and Bren Simon Cancer Center is Indiana’s only National Cancer Institute-designated cancer center that provides patient care, and it is one of only 69 in the nation. Each year, IU Simon Cancer Center physician-researchers lead more than 600 active clinical trials for pediatric and adult cancers, and, through a partnership with IU Health, cancer patients benefit from scientific discoveries made at the center.

The Regenstrief Institute is home to one of the nation’s first electronic medical record systems and a health information exchange that has made Indiana one of the most health-wired states in the country. At Regenstrief, IU School of Medicine faculty investigators work with researchers across a multitude of schools and disciplines to discover and implement ways to deliver the highest quality health care possible to all people.

visit us online: medicine.iu.edu/research
**FUNDING OPPORTUNITIES**

**Eli Lilly—Stark Neurosciences Predoctoral Research and Postdoctoral Research Fellowships:** Supports training opportunities in translational neurodegenerative disease research.
- **Eligibility/Award:** Open to predoctoral and postdoctoral fellows at IU, Purdue and Notre Dame. Annual stipend aligned with NIH predoctoral/postdoctoral fellowships, up to $5,000 in fee remission (predoctoral only), and annual supplement of $7,500 for travel to scientific conferences, computers and general supplies.
- **Schedule:** Typically opens in the spring.

**Indiana CTSI Postdoctoral Challenge:** Provides expense account for use of Indiana CTSI core facility services.
- **Eligibility/Award:** Open to postdoctoral fellows at IU, Purdue and Notre Dame. Limited to $5,000 per proposal for one year.
- **Schedule:** Typically opens in the fall.

**KL2 Young Investigator Award in Clinical-Translational Research:** Provides mentorship opportunities toward the goal of developing careers in clinical-translational research.
- **Eligibility/Award:** Open to junior investigators at IU, Purdue and Notre Dame. Limited to 75 percent salary support and $7,200 for research and training-related expenses per year for two years.
- **Schedule:** Typically opens in the fall.

**MD/MS Fellowship Program: Year in Translational Research for Medical Students:** Supports enrollment in Indiana CTSI’s 30-hour Master of Science program in translational research.
- **Eligibility/Award:** Stipends and student health insurance for current IU School of Medicine MD students who have completed at least one year of medical school—preferably two or three years.
- **Schedule:** Typically opens in January.

**Predoctoral and Postdoctoral Fellowships in Translational Research:** Supports training and mentorship in translational research.
- **Eligibility/Award:** Open to predoctoral and postdoctoral fellows at IU, Purdue and Notre Dame. One-year annual stipend aligned with NIH predoctoral/postdoctoral fellowships. Renewable for one additional year, pending review.
- **Schedule:** Typically opens in the fall.

**Global Health Research Pilot Projects:** Fosters interdisciplinary research collaborations to address key global health challenges and improve health outcomes in resource-limited settings.
- **Eligibility/Award:** Open to researchers at IU, Purdue and Notre Dame. Limited to $20,000 in pilot funding per project for one year (up to four meritorious projects are funded per year).
- **Schedule:** Typically opens in the fall.

**BASIC AND TRANSLATIONAL SCIENCE**

**Adult Gastrointestinal and Liver Diseases Research:** Provides pilot funding for studies that generate preliminary data for extramural funding applications investigating adult gastrointestinal and liver disorders.
- **Eligibility/Award:** Open to researchers at IU, Purdue and Notre Dame. Limited to $35,000 for one year.
- **Schedule:** Typically opens in late fall.

**Biomedical Research Grant:** Fosters research by worthy investigators to help them compete for extramural support.
- **Eligibility/Award:** Open to 1) new IU School of Medicine investigators who do not yet have extramural funding and need support to acquire preliminary data necessary to compete for it, or 2) established IU School of Medicine investigators who are between funding periods from extramural sources. Limited to $50,000 for one year.
- **Schedule:** Typically opens in the spring, fall and winter.

**Center Pilot Funding:** Supports cross-disciplinary research to generate data that supports future collaborative funding opportunities.
- **Eligibility/Award:** Open to research projects between members of IU Simon Cancer Center, IU Center for Diabetes and Metabolic Diseases, Herman B Wells Center for Pediatric Research, Stark Neurosciences Research Institute and Indiana Center for Musculoskeletal Health. Limited to $50,000 for one year.
- **Schedule:** Typically opens in the fall.

**Center for Diabetes and Metabolic Diseases (CDMD) Pilot and Feasibility Funding:** Fosters development of new diabetes investigators and provides seed support for innovative, high-risk projects.
- **Eligibility/Award:** Open to new investigators and established investigators new to diabetes research at IU and Purdue. Established diabetes investigators pursuing high-impact/high-risk projects or projects that are a significant departure from their usual work will be considered. Limited to $45,000 for one year.
- **Schedule:** Typically opens in the spring.

**Community Health Partnerships (CheP) Trailblazer Award:** Supports collaborative projects by university-community partners throughout Indiana with potential to improve health or health care and perform a needed evaluation of an existing health-related program.
- **Eligibility/Award:** Projects must involve both academic and community partners currently working at an Indiana-based institution/organization. Limited to $25,000 per project for one year.
- **Schedule:** Typically opens in spring, with annually rotating RFA topic.

**Collaboration in Translational Research:** Encourages collaboration across IU, Purdue and Notre Dame and fosters translational research projects with strong and immediate potential to develop into larger, externally funded research programs or to generate novel intellectual property.
- **Eligibility/Award:** At least two principal investigators with equal contribution, from at least two of the five sponsoring affiliates. Limited to $75,000 over two years.
- **Schedule:** Typically opens in the spring.
Core Pilot (Spring and Fall): Promotes use of Indiana CTSI core facilities. Projects should demonstrate outstanding scientific merit that can be linked to generating extramural funding or novel intellectual property.
- **Eligibility/Award:** Limited to $10,000 per project, which are typically two years in duration.
- **Schedule:** Typically opens in the spring and fall.

Design and Biostatistics Program: Funds innovative pilot projects that support methodological research of faculty members in the eight units that comprise the Design and Biostatistics Program.
- **Eligibility/Award:** See RFA for specific eligibility requirements. Limited to $10,000 for one year.
- **Schedule:** Typically opens in the spring.

Indiana Center for Musculoskeletal Health: Provides pilot funding for multidisciplinary and multi-PI research projects to generate data that supports future collaborative funding opportunities.
- **Eligibility/Award:** Research teams should include a project leader who is a member of the Indiana Center for Musculoskeletal Health, plus experts from different campuses, schools and disciplines. Limited to $50,000 for one year.
- **Schedule:** Typically opens in April.

Indiana Drug Discovery Alliance (IDDA): Provides seed funds and essential consultation to support early-stage development of therapeutics and new collaborations and/or use of core facilities that enable translation of fundamental research related to drug discovery.
- **Eligibility/Award:** Open to full-time researchers (tenure, tenure-track or research faculty) at IU, Purdue and Notre Dame. Limited to $15,000 per project, but budget and budget justification are not required at time of submission.
- **Schedule:** Typically opens in the spring.

Indiana Spinal Cord and Traumatic Brain Injury Research Fund (Indiana State Department of Health): Fosters research for the prevention, treatment and cure of spinal cord and traumatic brain injuries, including acute management, medical complications, rehabilitative techniques and neuronal recovery.
- **Eligibility/Award:** Open to researchers at IU, Purdue and Notre Dame. Limited to $80,000 per year for two years.
- **Schedule:** Typically opens in the fall.

Kelley School of Business MBA Business Management Assistance: Provides for a team of IU Kelley School of Business MBA students to partner on a project with an Indiana CTSI core as a part of the students’ independent study program for course credit.
- **Eligibility/Award:** Priority will be given to proposals that lead to improvements with the potential to benefit other Indiana CTSI cores, resources or units.
- **Schedule:** Typically opens in the fall.

Project Development Teams (PDTs): PDTs are committees that consist of multidisciplinary researchers who assist investigators in developing ideas/hypotheses into well-designed translational research projects. The teams serve as “one-stop shops” by providing investigators access to protocol development, pilot funding, biostatistics, IRB/regulatory and nursing support, facilitation of collaboration with other investigators and access to core resources—all in one meeting.
- **Eligibility/Award:** Open to researchers at IU, Purdue and Notre Dame. Typically limited to $20,000 over two years.
- **Schedule:** Open for continuous submission.

Research Enhancement Grant: Stimulates research productivity at the seven Centers for Medical Education and the Medical Sciences Program in Bloomington with the intent to foster research by worthy investigators so that they can compete for extramural support.
- **Eligibility/Award:** Open to IU School of Medicine researchers. Limited to $50,000 for one year.
- **Schedule:** Typically opens in the spring and fall.

Showalter Research Trust: Fosters research projects but (per donor intent) is exclusive of research in psychiatry, sociology or social studies.
- **Eligibility/Award:** Open to IU School of Medicine researchers. Limited to $60,000 for one year and must include indirect costs. Some PI salary is allowed.
- **Schedule:** Typically opens in the winter.

Technology Enhancement Awards: Supports generation of technical data to advance technology to commercialization.
- **Eligibility/Award:** Applicants must be IU School of Medicine researchers and founders of startup companies. Postdoctoral fellows also are eligible. Limited to $50,000 for one year and includes mentorship support through the ICBI Advisory Council and SPARK-Stanford partnership.
- **Schedule:** Typically opens in the spring.

IU SIMON CANCER CENTER

The IU Simon Cancer Center often issues targeted pilot funding announcements, each of which has specific submission requirements and review criteria.
- **Eligibility/Award:** To be eligible for pilot funding through the IUSCC, an investigator must be a full or associate level member and all projects must be "mapped" through the ITRAC process by one of the translational research coordinators. Funding amounts are allocated based on project need and are typically $50,000 per project.
- **Schedule:** Submission deadlines are included in specific funding announcements sent via email to IUSCC members. For more information and to apply for membership, visit cancer.iu.edu/membership.

IU HEALTH

The IU Health Values Fund grant program offers four different RFAs supporting a variety of goals including: 1) Pilot Research Grants for pilot projects, 2) Pilot Education Grants for new education and teaching programs, 3) Grants for Spirituality and Religion aspects of care, and 4) Grand Challenges in Health Care grants that address larger aspects of community health and health care transformation.
- **Eligibility/Award:** See RFA for specific eligibility requirements. Awards can range from a maximum of $50,000 to $300,000 per project, depending on the RFA.
- **Schedule:** Typically opens in the fall. For more information, contact navigate@indianactsi.org.
PROGAMS CATALYZING RESEARCH

MENTORING AND CAREER DEVELOPMENT

Independent Investigator Incubator Mentoring Program (I²): The I² program helps early-career scientists become successful independent investigators in the competitive research environment by pairing junior faculty with senior faculty mentors.

Project Development Teams (PDTs): Investigators can leverage PDTs to gain access to multidisciplinary research expertise, biostatistics, IRB/regulatory services, bioethicists, nursing support and pilot funds. Several focused PDT teams help transform proposals into high quality, feasible, fundable clinical/translational research projects.

COMMUNITY AND GLOBAL HEALTH

Community Health Partnerships (CHeP): CHeP promotes collaboration among researchers, health care providers and other community stakeholders. Investigators can work with this program to engage with a statewide network that leverages local resources to communicate research findings to the public.

Global Health Program: Investigators interested in addressing domestic and global health issues for underserved populations can work with this program to access collaborative research and expertise from global health centers at IU, Purdue and Notre Dame.

Patient Engagement Core (PEC): Investigators can work with this program to engage patients in defining and solving study challenges throughout all phases of research, including pre-study preparation, study maintenance and dissemination.

ENTREPRENEURSHIP AND INNOVATION

Accelerating Women and Underrepresented Entrepreneurs Program (AWARE): Women and minority entrepreneurs can participate in the AWARE program, a National Science Foundation-funded partnership between IU, the University of Louisville and Missouri University of Science & Technology, to enhance the competitiveness and success rate of their SBIR/STTR applications.

Center for Health Innovation and Implementation Science (CHIIS): CHIIS provides investigators with guidance focused on rapidly translating and implementing high-quality, cost-effective health care delivery solutions using the complex adaptive system framework and the tools of implementation science.

Indiana Center for Biomedical Innovation (ICBI): Entrepreneurial investigators looking to commercialize their research can utilize the ICBI to gain access to fully equipped biology and chemistry laboratories, small and large animal facilities, funding opportunities, clinical expertise, collaborative and office space, an advisory council of life sciences leaders and a variety of research and development services.

Molecular Therapeutics Program (MTP): The MTP and its Indiana Drug Discovery Alliance (IDDA) help investigators interested in early-stage drug discovery research by facilitating collaborative translational research, partnerships and team building across diverse disciplines.

FACILITIES AND SERVICES

Access Technology Program (ATP): Investigators can improve their research by working with the ATP to incorporate novel technologies into their research programs. This program also can assist researchers already using these technologies by improving the quality of and ease of access to a vast array of service cores across campuses at IU, Purdue and Notre Dame.

Bioethics and Subject Advocacy Program (BSAP): BSAP provides researchers, educators, administrators and community members with access to interdisciplinary expertise on ethical, social and policy issues in translational science.

Clinical Research Center (CRC): Investigators can leverage the CRC for services and support related to clinical research studies that involve inpatient or outpatient visits, including access to clinical space, equipment, skilled nursing and nutrition services. There are four CRC sites available in Indianapolis and West Lafayette.

Clinical Trials Office (CTO): The CTO reviews and negotiates contracts in order to protect IU’s and investigators’ rights for all industry-sponsored clinical trials and to ensure provisions are consistent with applicable laws/regulations, various policies, procedures, guidelines and clinical trials management through OnCore.

Design and Biostatistics Program: This program provides investigators centralized access to the biostatistics programs at IU, Purdue, and Notre Dame for support in the design and statistical analysis of research activities.

Indiana Biobank: The Indiana Biobank provides investigators with a robust collection of high-quality clinical samples linked to electronic medical record, genomic and proteomic data to provide the physical samples required to conduct translational research.

Regenstrief Data Core: The data core is the central point of access for the Indiana Network for Patient Care (INPC) database on behalf of the Indiana Health Information Exchange (IHIE)—one of the largest health information exchanges in the country. Investigators can use this program to access a variety of services including feasibility, recruitment lists and customized data sets.

Regulatory Knowledge Support Program: This program helps investigators get information and guidance on federal, state and local human subjects research regulations, as well as assistance streamlining the protocol submission and review processes.

Subject Enrollment and Research Volunteer Engagement (SERVE): The SERVE program helps investigators identify patients for clinical trials and helps recruit patients or train investigators in recruitment strategies. This program also provides resources such as INresearch.org, an online registry for clinical trial volunteers.
KEY RESOURCES

This brochure provides a general overview of research funding opportunities, programs and services available to support IU School of Medicine investigators. For more detailed information, please see the following resources.

RESEARCH NAVIGATORS

Need help finding your way around IU School of Medicine’s research enterprise? The Indiana Clinical and Translational Sciences Institute provides access to research navigators who can help. Scientists by training, navigators guide faculty and investigators toward research services, facilities, laboratories, funding, patient recruitment and clinical research resources.

To connect with a navigator, email navigate@indianactsi.org.

SERVICE CORES

IU School of Medicine researchers have access to a variety of cores that provide technologies, services and expertise related to specialized areas including:

- Genomics
- Proteomics
- Flow cytometry
- Clinical imaging
- Intravital imaging
- Biostatistics
- Data capture, collection and sharing (REDCap)

For more information about cores available to IU School of Medicine investigators, visit the following websites:

- medicine.iu.edu/research/service-cores
- indianactsi.org/service-cores
- cancer.iu.edu/facilities

Or contact an Indiana CTSI research navigator at navigate@indianactsi.org.