Institute Overview
The Engineering in Medicine Institute, announced in the August special board of trustees’ announcement, is a flagship effort combining the strengths of Indiana University School of Medicine and Purdue University’s College of Engineering. The goal of the new Engineering in Medicine Institute is to create an environment between Purdue Engineering and IUSM that fosters innovation and translation as well as partnership with premier industries in Indiana. To maximize the rapid success of the Engineering in Medicine Institute there is an initial focus on five targeted areas: cardiovascular health, cancer, musculoskeletal health, otolaryngology, and pediatrics. The goal of these research collaborations is to develop novel technologies and approaches that will lead to innovative approaches and engineered systems for improved patient care.

Pilot Project Program
The pilot project program is designed to support collaborative research between Indiana University School of Medicine and Purdue University College of Engineering. Research projects of particular interest include (but are not limited to) those related to: cardiovascular health, cancer diagnosis and treatment, musculoskeletal health, otolaryngology, and pediatric medicine. The metric of success for the pilot project program are the generation of peer-reviewed publications and external grant applications.

The pilot project program will provide $50K/year for each pilot project with the opportunity to obtain a second year of support if the initial required milestone (a submitted co-authored publication) is met. The $50K total grant funding will be administered as two $25K grants (direct cost) - one each to Purdue and IUSM per project. Submitted budgets should reflect this. Funds will be provided for 5 projects per year. Depending on the proportion of one- and two-year pilots in a given year, the balance of new and second year pilots will vary each year. Proposals will be reviewed by a committee composed of faculty from Purdue University and the IU School of Medicine. Funded proposals will provide an annual progress report and will present results at the annual Engineering in Medicine symposium.

Applications to the pilot project program must include the following elements:

- **Cover page**
  - Proposal Title
  - Names and affiliations of principal investigators

- **Scientific proposal (max 2 pages with one additional page for references)**
  - Describe how the project will provide new opportunities for potential future funding.

- Milestones and deliverables for the first year and if a second year of funding is requested, then the milestones and deliverables for the second year (max 1 page)

- Biosketch of key personnel at both institutions (NIH format, max 5 pages/biosketch)

- Budget (template provided – next page)

Applications will be received once a year and the deadline for 2022 will be 11:59 PM November 18, 2022. Applications should be submitted to either Sam Scahill at IU School of Medicine (sscahill@iu.edu) or Lee Hua Chiang at Purdue University (chiang47@purdue.edu). Decisions will be made by December 16, 2022. Pilot funding will begin January 1, 2023. For questions: Please contact David Umulis (dumulis@purdue.edu) or Tatiana Foroud (tforoud@iu.edu).
Engineering in Medicine Budget and Justification template

A. Purdue Budget

**Personnel** (acceptable personnel include technicians, research staff, and students. Faculty salary is not allowed)

**Supplies** (Specify expected reagents and supplies cost and quantities)

**Core Facilities Usage** (included hourly rates, expected hours, etc.)

**Travel** (Travel budget proposed must be clearly specified for how it relates to the proposed project)

B. IUSM Budget

**Personnel** (acceptable personnel include technicians, research staff, and students. Faculty salary is not allowed)

**Supplies** (Specify expected reagents and supplies cost and quantities)

**Core Facilities Usage** (included hourly rates, expected hours, etc.)

**Travel** (Travel budget proposed must be clearly specified for how it relates to the proposed project)