CH FOUNDATION INNOVATION BRIDGE GRANT PROGRAM

Growing and maintaining an Innovation Ecosystem is essential for the future of TTUHSC and the health of our community. Faculty innovation leaders and champions create a foundation for our Ecosystem growth. TTUHSC is collaborating with the Texas Tech University Innovation Hub at Research Park (TTUIHRP) to build and grow organized pathways for faculty members to create and test their innovations. The CH Foundation Innovation Bridge Grant Program (IBGP) aims to develop such pathways through funds specific to faculty innovation seed funding.

FACULTY INNOVATION SEED GRANT

The Faculty Innovation Seed Grant will fund five faculty innovation project teams with early seed grant funding for pilot data development. This seed funding will provide resources for each innovator to engage in research that produces preliminary data connected to a market-disruptive innovation with commercialization potential. This program will bridge the gap between significant scientific discoveries occurring in our own community and improvement in the lives of people who will benefit most.

The purpose of this 2-year award is to support each of the five faculty innovation project teams with $10,000 for seed funding for pilot data development. The data will strengthen the innovation project teams future funding applications and better position them for successful commercialization partnerships with community and industry. The milestones of the of the Faculty Innovation Seed Grant include:

1. Initiating the development and completion of innovation pilot data collection

2. Participation in at least two TTU Innovation Hub ideation / commercialization programs.
   - This Include Regional I-Corps for customer discovery and business model canvas development, as well as at least one of the following: TTU Innovation Hub I-Launch Competition, TTU License / IP development with the TTU Office of Research Commercialization (ORC), and or TTU Accelerator Program.

3. Completing SBIR, STTR or Partners for Innovation Technology Transfer (PFI-TT) grant program application submission.

Eligibility: Faculty members of all ranks are eligible to apply if they hold a full-time faculty appointment at the Texas Tech Health Sciences Center.

FACULTY INNOVATION SEED GRANT IMPORTANT DATES:

Applications Open	September 1, 2021
Applications Close	October 31, 2021
Committee Peer Review	November 2021
Awards Announced	December 6, 2021
Awards Disbursed	January 1, 2022 (Or when IRB is Approved)
Annual Progress Report	December 1, 2022
Expected Competition:	December 31, 2023

FACULTY INNOVATION SEED GRANT

The submission should be crafted to include the requirements in the order outlined below; please number each page:

1. *Cover Page and Abstract*: Include the project title, school/department/program affiliation, principal investigator (PI) and collaborative investigators, e-mail address of the PI, and an abstract that is understandable to all reviewers, including those from other programs/departments. The abstract should not exceed 150 words.

2. *Research Plan*: This plan should not exceed seven pages (Single-spaced, at least 1" margins, Arial or Calibri 11-point font) and include:
   a. Introduction: Provide a mini lit-review with sufficient citations aimed at summarizing the context/reasoning behind this project. This should include a statement of the problem, background/theory, and overall need for the study.
   b. Purpose and Aims: This covers the OVERALL PURPOSE of the study and one or more specific AIMS of the project.
   c. Value(s) and Significance: This covers the "So what?" of the project. Here you should review (2) elements:
      • the Intellectual Merit-here you should describe how the findings contribute to science
      • the Broader Impact-you should include how the study's findings could TRANSLATE to society
   d. Expected Benefits/Outcomes: This should include how this funding may facilitate your ability to obtain SBIR/STTR/PFI funding, as well as your hypothesis describing the commercial potential for your innovation.
   e. Approach: Describe the overall methodology and analyses to be used to accomplish the specific aims of the project. This should include the following:
      • Research Questions

- Research Design
- Variables (each included when applicable):
    1. Independent: those that are manipulated in the experiment, including levels
    2. Dependent: Those that will be measured including measurement technology
    3. Relationship / Prediction: Those that are used to establish a relationship (correlation) or prediction (regression)
- Subjects or specimens: include summary statements regarding inclusion and exclusion criteria, as well as sample size/power analyses as appropriate for the research design.
- Procedures: summary of preparatory and data collection methods that will be incorporated in this project, including any interventions.
- Data analysis / reduction strategies
- Statistical analysis: Describe how you will analyze the data. This may include identification of descriptive / inferential analyses, as appropriate.

3. *Timeline*: Provide a timeline with specific dates for: (1) proposal submission to IRB (if applicable); (2) subject or specimen recruitment; (3) data collection; (4) data reduction / analysis; and (5) future submission of larger scale innovation grant application to a federal funding agency. Include a summary of potential problems and benchmarks for success.

4. *Budget*: The budget can include the following (*$10,000 max*)

- Student personnel costs such as student/graduate assistant salaries
- Operating expenses (lab materials and supplies, reagents, etc.)
- Costs for human subject participation stipends (must use Swift Card)
- Equipment /software costs (all must be approved by SHP Technology Support & Institutional IT)
  *Faculty members are not allowed to budget salary expenses. There are no indirect costs.

5. *NIH- or NSF-Formatted Bio-sketch:* For each investigator (see attached example).*

*Format will depend on prospective agency planned for future federal grant application