

Center for SMART Health

smarthealth@eng.fau.edu

<https://www.fau.edu/smarthealth/>

777 Glades Rd

EE96-532 Suite

Boca Raton, FL 33431

Center for SMART Health

Seed Funding Opportunity

The Center for SMART Health is poised to become FAU's first center to drive engineering and computer science smart technologies and informatics to enable state-of-the-art patient-centered health care and disease prevention. The Center's mission is to catalyze interdisciplinary research at FAU integrating technology/AI in nursing and medicine; securing funding for supporting such multidisciplinary collaborations across the Engineering and Computer Science, Medicine, and Nursing; preparing students for emerging careers at the intersection of technology/AI with medicine, nursing, public health, and human biology; as well as catalyzing the partnerships with industry and foundation to promote translation of research to the real-world healthcare practices.

The Center for SMART Health is pleased to announce the inaugural seed funding opportunity, soliciting 3 transdisciplinary proposals, in support of the collaborative research activities within the research areas of the Center.

TIMELINE

- Proposal Submission Date: 5 pm, Friday, August 5, 2022
- Selection Announcements: Friday, August 26, 2022
- Grant support duration: September 1, 2022 – August 31, 2023

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RESEARCH AREAS OF THE CENTER

Smart health technologies and informatics at the intersection of

- Engineering and Computer Science
- Medicine
- Nursing
- Human biology
- Public health

DETAILS AND GUIDELINES

- Applications on collaborative projects between two or more of the Engineering and Computer Science, Medicine, and Nursing Colleges within the research areas of the Center are encouraged.
- Applications should articulate the relation with the Center's research areas and the potential for the proposed work to collect preliminary data for external grant application upon the completion of the seed grant.
- Applications are encouraged* to propose a demo showcasing the project.
- The total funding available is \$70,000, with 3 awards expected (up to \$25,000).
- Faculty may participate in multiple proposals but may only serve as lead PI on one application.
- Funding is limited to be used in support of stipend to student researcher(s), materials, and supplies. No indirect costs should be included.
- Deliverable at the end of project on September 15, 2023:
 - A 2-page report of the activities including the manuscripts under preparation, submitted and published manuscripts, the title and other related information on the grant(s) proposal prepared and submitted, etc.
 - A seminar on the activities and achieved outcomes to the Center's affiliated faculty and FAU community.

* The priority will be given to the scientifically meritorious proposals that include a plan for creating a demo. The demo will not be created as part of the seed funding. The Center may seek other resources to build the demo working with the PIs. The demo will be

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located at the Center's space in EE96 - 532 suite and will be used for showcasing FAU's collaborative projects to support the Center's philanthropy efforts. No biohazardous materials shall be used in the showcase demos.

APPLICATION PACKET: The application packet should be a single PDF file, consisting of the following materials using a format of 11 pt. font, single-spaced text and 0.5" margins.

- Cover page, one page.
 - Project title, a list of PIs and their rank, college/department, and contact, role of each PI, and timeline.
- A short narrative, not to exceed 5 pages (not including references)
 - Narrative should include specific aims or summary page (1/2 page), a detailed description of the research strategy (significance, innovation/intellectual merit, and approach), training/education activities, and proposed project demo.
- An NSF or NIH-style bio for all key personnel
- An itemized budget and justification, one page.
- A plan for acquiring IACUC or IRB approval, if the project involves human or animal studies, not to exceed 2 pages.
 - Risks, subject protection plan, recruitment plan, etc.

SUBMISSIONS: Proposal should be submitted to smarthealth@eng.fau.edu by 5 pm on the due date. Proposal will be reviewed by a committee of peers.

QUESTIONS?

If you have any questions, please contact smarthealth@eng.fau.edu.