UC Davis CTSC Pilot Translational and Clinical Studies Program and Partnership with the Center for Information Technology Research in the Interest of Society (CITRIS) - Call for Proposals Focused on Digital Health -

The UC Davis Clinical and Translational Science Center (CTSC) in partnership with CITRIS requests submission of proposals in response to this call for projects focused on digital health applications to be conducted during the 2018-2019 grant year. These awards are intended to support highly innovative projects that focus on new and robust health technology applications that will provide crucial preliminary data for new extramural grant applications (including SBIRs) or potential licensing / commercialization. The review process will emphasize creativity, innovation, new concepts or software, novel platforms and architecture, and the potential of the project, if successful, to have a significant impact on an important clinical and translational research problem across the translational spectrum.

Funds will be available for up to $30,000 in total costs for a 11-month period beginning July 1, 2018. No carry forward of funds will be permitted. Support may be provided for supplies and other research-related expenses; funds may not be used to purchase equipment. PI (and other faculty) salary support is not permissible. The proposal must include at least one trainee at the predoctoral (undergraduate or graduate student) or postdoctoral/clinical fellow level and the role of the trainee in the PI/faculty-driven project must be very clearly defined with a mentoring plan. Criteria in the review of applications include the use of CTSC resources for the proposed project (e.g., informatics, biostatistics, community engagement, regulatory, Clinical Research Center); applicants are encouraged to contact program directors for assistance (see CTSC website; http://www.ucdmc.ucdavis.edu/ctsc/area/pilot/index.html).

**Purpose:** The UC Davis CTSC provides an academic home for clinical and translational research and is focused on speeding improvements in human health by reducing barriers in health-relevant research. The goal of the CTSC Pilot Program is to enhance and augment research areas crucial to translational research by providing support for novel research projects, the development of new teams and partnerships, high risk/high impact research, projects that span the translational spectrum (T1-T4) and lifespan health, and with the inclusion of trainees. In addition, the Program fosters new multidisciplinary collaborations that enhance the integration of new process-directed concepts, techniques, and technologies. For this call for applications, innovative digital health applications from multidisciplinary teams led by a PI or co-PIs that include trainees are of primary interest. Potential applicants are encouraged to link basic, translational, and clinical researchers, and include novel methods for community engagement. Submissions with commercialization potential are strongly encouraged. Some examples of potential projects include (but are not limited to): Development and evaluation of patient characterization tools and methods, such as linking phenotype and public health data, genotype/phenotype data, or clinical and mobile health data; Design and evaluation of digital health implementations on specific populations; Sensor-based health state monitoring and linkage to clinical care; and Testing new approaches to engaging patients in clinical health, through mobile devices, patient portals, or other methods.

**Eligibility:** All full-time members of the UC Davis faculty, including faculty in the adjunct or research series. Project Scientists can participate as co-investigators or trainees.

**Application Procedure:** Proposals must use the 5-page form that can be downloaded from the CTSC website (http://www.ucdmc.ucdavis.edu/ctsc/area/pilot/index.html). The submission must also include an NIH biographical sketch in the current NIH format (maximum of 5 pages) for each participating investigator including predoctoral or postdoctoral (PhD or clinical fellow) trainees. Deadline date for receipt is June 8, 2018.

Submitted proposals must use the following format and adhere to the requirements of the application:

- Specific Aims and Hypotheses
- Background, Significance, and Innovation
- Experimental Design (how the proposed study will address an important problem in a unique way; sample selection, data collection, analysis and evaluation plan and a timeline must be included)
- Rationale for Requested Funds and Specific Plans for Extramural Submissions (be specific)
- Role of Trainee(s) including a Mentoring Plan
• If prior funding from the CTSC how this application represents a new and unique direction
• If human subjects are proposed the application must have sufficient and explicit information to guide the process and plan. NIH must approve all CTSC pilot projects with human subjects prior to funding. Any studies that involve human subjects must have IRB approval submitted and in place at the time of award. All projects with human subjects will be subject to review and approval by the NIH before any funds can be made available.

Additional Requirements: All selected projects will receive a final review by the NIH prior to approval. The names of investigators funded through the CTSC Pilot Program will be posted on the CTSC website. In addition, all investigators and trainees are required to participate in the annual CTSC retreat and/or associated workshops and symposia, acknowledge the CTSC grant in any abstracts, presentations, or publications (with a PMCID number as required by the NIH; see website) resulting from supported studies, and provide quarterly progress reports, a final report, and an annual report with updates on any new funding, publications, or related accomplishments resulting from the initial award.

Application receipt deadline: June 8, 2018
Earliest funding date: July 1, 2018 (projects must be completed by May 31, 2019; carryforward of funds is not permitted)

Each PI may submit one proposal only. Please email a pdf of the complete application to: aftarantal@ucdavis.edu

For questions, please contact: Alice F. Tarantal, PhD (aftarantal@ucdavis.edu)