The UC Davis Clinical and Translational Science Center (CTSC) in partnership with the Schools of Medicine and Veterinary Medicine requests applications in response to this call for collaborative team projects to be conducted during the 2019-2020 grant year. These awards are intended to support new faculty teams representing the Schools of Medicine and Veterinary Medicine and will provide the necessary preliminary data for new extramural grant applications. The review process will emphasize new teams with co-PIs, and the potential of the project, if successful, to have a significant impact on an important clinical and translational research problem focused in the cardiovascular, musculoskeletal, or pain/anesthesia-related fields.

Funds will be available for up to $50,000 in total costs for a 12-month period with the earliest start date of June 1, 2019. No carry forward of funds is permitted. Support may be provided for supplies and other research-related expenses; funds may not be used to purchase equipment or for personnel outside of UC Davis. 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 clearly defined with a mentoring plan. Important criteria in the review of applications include new teams, co-PIs, and 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/).

**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 and clinical 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. **For this call for applications, multidisciplinary teams led by UC Davis co-PIs representing the Schools of Medicine and Veterinary Medicine that include trainees and focus on topics related to the cardiovascular, musculoskeletal, or pain-related fields are sought.** Submissions with commercialization potential or with a data science focus are also encouraged.

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

**Application Procedure:** Proposals must use the required format and submitted through the InfoReady System (https://ucdavis.infoready4.com/CompetitionSpace/#HomePage). The submission must 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 May 20, 2019 (no later than 11 pm).

Submitted proposals must use the following format and adhere to the requirements of the call and 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, statistical analysis, and evaluation plan with a timeline; rigor and reproducibility, biological variability including potential for sex-related differences)
- Rationale for Requested Funds and Specific Plans for Extramural Grant Submissions
- Role of Trainee(s) including a Mentoring Plan
- Prior funding from the CTSC must be acknowledged and how the application represents a new and unique research direction must be clearly stated. Any submissions that fail to report prior CTSC funding will be disqualified.
- If human subjects are proposed the application must have sufficient and explicit information to guide the process and plan. NIH must approve all pilot projects with human subjects or vertebrate animals prior to funding. Any studies that involve human subjects must have IRB approval in place at the time of funding and will be subject to review and approval by the NIH. The application must include the required IRB documentation.
**Additional Requirements**: All selected projects that involve human subjects, human specimens, or vertebrate animals, will receive a final review by the NIH prior to approval. A checklist will be provided to the funded investigator(s) for this final review. 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**: May 20, 2019

**Earliest funding date**: June 1, 2019 (projects must be completed by May 31, 2020; *carryforward of CTSC funds is not permitted by the NIH*)

**Each PI/co-PI may submit one proposal only.**

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