

Collaborative Research Advancement Grants Program Track 2: Strategic Teams

This funding opportunity has been created to advance: 1) cross-disciplinary team research; 2) cross-disciplinary research teams with strong research concepts; and 3) extramural research grants and contracts leveraged by these seed funds. This funding opportunity specifically targets existing cross-disciplinary research teams that have prior collaborative funding success (internal and/or external funding) and would leverage additional seed funding to respond to targeted external funding opportunities. Research teams should be composed of a minimum of three collaborators, each with distinctly different professional disciplines. These disciplines do not need to reside in different Colleges, but preference will be given to teams that involve collaborations involving two or more Colleges.

Research areas that are currently of specific interest to federal funding agencies are given below. However, this is an open competition and all proposals that are compliant with the submission instructions will be reviewed and considered for the award.

- Advanced Materials
- Alzheimer's Disease and Related Dementias
- Artificial Intelligence, Machine Learning, and Automation
- Biotechnology
- BRAIN Initiative
- Cancer
- Cybersecurity
- Digital Manufacturing
- Genome Editing
- Opioids, Addiction, and Pain Management
- Neurodegeneration
- Precision Medicine
- Quantum Information Science and Technology
- Secure Microelectronics
- Space Technology
- Synthetic Biology

Eligibility: The Principal Investigators must be UC faculty members with at least an 80% FTE appointment. Faculty from UC's affiliates (CCHMC, VA and Shriners) with joint appointments in a UC department are eligible to participate, but may not be principal investigators and are not eligible for financial support. Support for core facilities usage is encouraged, included CCHMC cores. Visiting faculty, faculty from other institutions, and researchers from industry and federal laboratories are encouraged to be part of the research teams but will not receive financial compensation. Letters of collaboration are required from external partners.

Current or past awardees (lead investigator and collaborators) from this program are ineligible to submit similar proposals to this program for a period of five years following the date of the award. Current and past awardees are encouraged to serve as collaborators with other research teams as long as it is clearly evident that the nature of the proposed research does not overlap in any substantial way with the current or previously funded research.

Submission Instructions: Please use the following link to submit your proposal:
<https://webportalapp.com/sp/cra-track-2>

Proposal Narrative: The following sections are requested for the proposal narrative:

1. Project Significance (2000 words max) - Please describe the significance of your research, innovation and intellectual merit.
2. Research Plan (2000 words max) - Please describe a detailed research plan with a central hypothesis, specific aims or objectives, and preliminary data or pilot diagram, where appropriate.
3. Broader Impacts (2000 words max) - Please describe the broader scientific and societal impacts of the project.
4. Expected Outcomes and Deliverables (1000 words max) - Please describe the expected outcomes and deliverables (including likely obstacles and how they will be overcome and project milestones with go/no go decision points).
5. Team Building Plan (500 words max) - Please describe the team building plan (including schedule of proposed meetings/activities).
6. Research Mentorship Plan (500 words max) - Please describe the research mentorship plan for junior faculty, postdocs, and graduate students as applicable.
7. Data Management Plan (500 words max) - Please describe what data will be produced, what standards will be used to document the data, how the data will be protected, how the data will be archived and preserved, and how reuse and future access will be facilitated.

Review Criteria: Review criteria will be: scientific merit, research plan, broader impacts, expected outcomes and deliverables, external funding opportunities, research mentorship plan, team building plan, and data management plan. All criteria are weighted equally.

Each proposal will also be reviewed for demonstrated level of interaction and integration of the research team by a team science specialist. The basis of their review will be *Collaboration and Team Science – A Field Guide*, a document sponsored and co-authored by the National Institutes of Health. This document can be accessed from: <http://teamscience.nih.gov>.

Budget: Proposals may request up to \$70,000 in total costs. Proposals requesting more than \$70,000 in total costs will not be reviewed.

Review and Selection Process: A minimum of three reviewers will each prepare written reviews of each proposal. These reviews will be made available for each applicant following the review process. The review process will be managed to ensure strict confidentiality of each submission and that no conflict of interest issues arise during the review process. The Program Manager will make funding recommendations to the Vice President for Research for final approval.

Awards: Multiple awards are anticipated. The Office of Research reserves the right to disperse all or a portion of the available funds. The award period is 18 months and is anticipated to begin in May 2019.

Questions regarding this internal funding program should be directed to Phil Taylor at Taylorp4@ucmail.uc.edu.