Science of Team Science (SciTS) and Interprofessional and/or Interdisciplinary (IP/ID) Collaborations Small Grant Program Request for Applications (RFA)

South Carolina Clinical & Translational Research (SCTR) Institute and MUSC Office of Interprofessional Initiatives

RFA Release Date: March 27, 2019

Key Dates:
Application Due by 5PM on Tuesday (EST), April 30, 2019
Earliest Anticipated Project Start Date June 1, 2019

Primary Objective:
To generate pilot data on the value and impact of SciTS and IP/ID teamwork and initiatives.

Projects may focus on, but are not limited to, direct measurement of the impact of team work on research productivity, scientific innovation, patient outcomes, patient safety, cost-effectiveness of health care or research practice, health professional educational, training and clinical care outcomes (i.e. This RFA is not specifically targeted to see how many publications and grant applications would result from a specific team but rather how a particular team’s actions or behavioral changes might result in better outcomes). Projects may also focus on team science and interprofessional research tools and methodology such as the development/validation of relevant team science and interprofessional measurement tools, approaches and/or systems.

What is the Science of Team Science (SciTS)?
The SciTS is a rapidly emerging field focused on understanding and enhancing the processes and outcomes of team science. A key goal of SciTS is to learn more about factors that maximize the efficiency, productivity, and effectiveness of team collaborations and initiatives. The SciTS promotes team-based research through empirical examination of the processes by which scientific teams organize, communicate, and conduct research. The field is concerned with understanding and managing circumstances that facilitate or hinder the effectiveness of collaborative research, education, training, and translational initiatives. This includes understanding how teams connect and collaborate to achieve scientific breakthroughs and outcomes that would not be attainable by either individual or simply additive efforts. The teams may vary in the extent to which they include or integrate the knowledge of experts from different disciplines or professions (e.g. nurse and physician, pharmacist and physician assistant) to achieve their scientific and/or translational goals.


Examples of SCTR Funded SciTS Pilot Projects:
1) Information Technology for Teamwork and Communication in Trauma
2) Using Team Science to Integrate Primary Care and Behavioral Health for Trauma-Impacted Youth
3) Components of Team Science Implementation—What Contributes to Success
4) Development of Affective Qualities in Interprofessional Healthcare Students
5) The Relationship between Clinical Service Delivery Models and Provider Perceptions of Teamwork
6) Establishing reliability of a novel quantification model for classifying narrative observations of teamwork behaviors in healthcare clinical units

**Award Amount:**
Up to $15,000 (Direct Costs only) for a 12-month project period from the date of the Notice of Award is issued.

**Eligibility Criteria:**
- Principal Investigator (PI), Co-PIs and other investigators can be faculty, post-doctoral fellows, graduate students, research support staff and/or clinical staff.
- The PI must be employed at MUSC, and one member of the research team must have an MUSC faculty appointment.
- The investigative team must have an ID and/or IP composition (a minimum of two disciplines and/or professions).
- The proposed project should, in part, aim to establish a relationship between ID and/or IP team science practice and outcomes.
- Scholarly work that establishes baseline data or demonstrates strong potential for obtaining additional extramural grant funding will be viewed favorably.
- Please note that a PI and Co-PIs can have only one active SCTR Science of Team Science Pilot project award at a given time.

**Application Process:**
- Application submission link “Apply” are listed in the SCTR Pilot Project Program web page at [https://research.musc.edu/resources/sctr/funding-opportunities/pilot-projects](https://research.musc.edu/resources/sctr/funding-opportunities/pilot-projects) by clicking the appropriate ‘Apply’ link. Incomplete or late applications, and applications not responsive to the RFA will be disqualified and not be reviewed.
- SCTR Institute has free consultation services such as biostatistics, budget, and regulatory consults to help strengthen your pilot project (and other) applications. Please visit [http://sparc.musc.edu](http://sparc.musc.edu) to view consult descriptions and request those of interest. They are listed under the MUSC tab, and then under the SCTR tab to you left.
- You are required to get a SPARC ID to submit an application. Please follow the steps listed below to submit a SPARC Request to get the ID before submitting the application.
  1. Go to [sparc.musc.edu](http://sparc.musc.edu)
  2. Select “South Carolina Clinical and Translational Research Institute” from the menu on the left
  3. Select “Funding Opportunities” from the drop-down menu
  4. Select “SCTR Science of Team Science Pilot Project Grants” from the “Funding Opportunities” list
     Note: You can click on to ‘Show Details’ link under the “2019 SCTR SciTS Grant” and then click on to “Here” to see the RFA and Application submission form link.
  5. Select “Add” to submit the SPARC Request
  6. Follow the step by step guidance listed at the end of this RFA to submit the SPARC Request and to get the SPARC ID.
  7. The applicants should ‘Submit Request’ to complete the process to get the SPARC ID.
  8. Once you receive the SPARC ID, you should include it in your application.

*Please note that the SPARC ID is different from the SPARC RMID.*
For All Documents Type
- Font Type and Size: Arial, 11pt.
- Page Margins: No less than 0.5” on all sides
- Document Type to Upload: PDF

Application Required Components*:
1. Project Description Page: Should include a project summary, rationale for the ID/IP team’s composition, a plan to evaluate the project’s proposed SciTS functions and outcomes of the team (1-page).
2. Project Research Proposal (3-page limit): Should include following components. Please combine the pages into a single PDF document to upload.
   - Specific Aims
   - Significance and Innovation
   - Rationale and Approach (including methods, outcome measures, data analysis plans and project evaluation)
   - Timeline/Milestones
   - Plan for dissemination of results (presentation of work at a relevant national meeting and/or publication is required).
   - Potential of successful extramural grant applications that may generate from the proposed project (i.e. Sustainability Plan) as appropriate.
   - Literature Cited if applicable (not counted as part of the 3-page limit)
   - Letter of support from the advisor/supervisor of the PI and Co-PI/s, if applicable, is required. If the PI is an Early Stage Investigator (as defined by the NIH criteria), a letter of support from the mentor is required. The letters are not counted as part of the 3-page limit.
   - Budget may include salary support up to 5% efforts for each investigator subject to the NIH salary cap, supplies, participant fees, IRB fee and other expenses needed to conduct the proposed work. The small grant program committee may reduce the requested budget dollar amounts as appropriate.
4. Each Investigator’s biosketch in the new NIH biosketch format (CV/resume is sufficient for the investigators who are community members).
   Detailed instructions on constructing your biographical sketch can be accessed at https://grants.nih.gov/grants/how-to-apply-application-guide/forms-e/general/g.240-r&r-seniorkey-person-profile-(expanded)-form.htm#Instructions
5. Updated Progress Report: PIs and Co-PIs, who have been previously funded via a SCTR Science of Team Science pilot project/s, must submit an updated progress report of the funded project/s with your application. Please see the details listed in the RFA and upload all pages together as a single PDF.
   The progress report should include the following:
   - Funded Project Title/s and each Project Begin/End Dates
   - Brief Summary of each project including the specific aims, and findings/results of each specific aim, overall results and conclusions.
   - Extramural Funding Activities resulted from the award: Please use the subheadings as: Applied, Pending, Awarded etc., as appropriate, and include each grant information in the following order. Name of the funding agency, project title, form of funding (R01, R21 etc.), investigators/team members names, total award amount and duration, grant number – if funds are awarded.
   - Publications resulted: Please use the subheadings as: Published, Under review, Submitted etc., as appropriate, and include each publication information in the following order.
Title of publication/s, Authors, Journal Name, Year, PMCID(s) (and/or NIHMS Manuscript IDs, PMIDs as applicable) and whether you have acknowledged SCTR support/SCTR Grant number/s in the publication.

- If applicable, intellectual property rights such as record of invention disclosure to MUSC Foundation for Research Development, Patent and iEdison number etc.

Application Review Process:
A minimum of two IP/ID Advisory Council members, and/or an approved ad hoc reviewer, will review the applications.

Post-Award Requirements:
If your application is selected to fund:

- A Just-in-Time (JIT) notice will be issued to each funded project PI to submit required documents such as IRB approvals, if appropriate, and to set up a UDAK account before funding can be awarded.
- A Notice of Award (NOA) will be issued to the PI after receiving all the required JIT information.
- Once the NOA is signed by the PI and PI's Business Manager, awarded $ amount for the project will be transferred to the appropriate UDAK account.
- Project period will be 12 months from the date when the NOA is issued.
- Once funded, you will be required to submit a project progress report and a finance report at 6 month and 12 months into the project period, and then a brief update of the project for another 4 years. The instructions and format of the reports will be sent to the PIs to submit the reports.
- You are required to present the project mid-term progress and annual progress at 6 month and 12 months into the project to the MUSC IP/ID Advisory Council meetings.
- **By accepting SCTR funds and support, you are required to acknowledge the SCTR Institute grant number in each publication, grant application, press release and/or any other document(s) and presentations similar to the following:**

> “This publication (or project) was supported in whole or in part by the South Carolina Clinical & Translational Research (SCTR) Institute, with an academic home at the Medical University of South Carolina (MUSC) through NIH/NCATS Grant Number UL1TR001450.”

Contact for Questions:
Dayan Ranwala, PhD  Jeff Borckardt, PhD
Research Assistant Professor  Professor and Assistant Provost
Associate Director  MUSC Office of Interprofessional Initiatives
SCTR Pilot Project Program and Team Science Program  Director, SCTR Team Science Program
ranwala@musc.edu  borckard@musc.edu
Steps to follow to get a SPARC ID:

**Application Process**

All candidates MUST submit a SPARC Request to get a **Study ID** for this project before submitting an application.

1) Go to sparc.musc.edu

2) Select “South Carolina Clinical and Translational Research Institute” from the menu on the left

3) Select “Funding Opportunities” from the drop-down menu

4) From the ‘Funding Opportunities’ list, click onto ‘SCTR Science of Team Science Pilot Project Grants’

5) Click ‘Add’ to include the service into your shopping cart
The applicants should ‘Submit Request’ to complete this process to get the SPARC ID.

SPARC Request related questions contact: sparcrequest@musc.edu