The SC Translational Research Improving Musculoskeletal Health (SC TRIMH) is a newly established National Institutes of Health Center of Biomedical Research Excellence. The overall goal of the SC TRIMH is to enhance and expand the Biomedical Research capacity at Clemson University to promote outstanding multidisciplinary, collaborative, and translational research in musculoskeletal diseases. SC TRIMH welcomes Clemson affiliated investigators to participate in the Center and is pleased to announce that it will fund multiple pilot projects grants to expand the pool of investigators at Clemson University working on musculoskeletal diseases. A broad range of topics including traditional Bone and Joint Disease Research, Developmental Technologies to Evaluate Bone and Joint Disease, Artificial Intelligence, Big Data Analysis, Addiction/Pain Management, and Oral Health Research will be considered for funding.

<table>
<thead>
<tr>
<th>Grant Categories</th>
<th>Brief Description</th>
<th>Award Amount</th>
<th>Award Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fast Forward</td>
<td>Generate critical preliminary data for a planned submission/resubmission of an extramural grant application within 6 months.</td>
<td>Up to $10,000</td>
<td>Up to 1 year</td>
</tr>
<tr>
<td>Mentored Investigator</td>
<td>Provide mentored research experiences for junior investigators who will use the cores and may become candidates to replace current COBRE Junior Investigators as they graduate.</td>
<td>Up to $25,000</td>
<td>Up to 1 year</td>
</tr>
<tr>
<td>Discovery</td>
<td>Provide strategic support to explore the feasibility of projects that might become collaborative R01s or center grants</td>
<td>Up to $25,000</td>
<td>Up to 1 year</td>
</tr>
</tbody>
</table>

Applicants must be affiliated with Clemson University. Fast Forward and Discovery Pilot Project programs are open to all faculty. Mentored Investigator Applicants should be full-time tenure track assistant or associate professors early in their career path with no substantial funding. Mentored Investigator Applicants may not have served as a PI on NIH (R01 or R35), or comparable awards. The SC TRIMH will provide mentoring support and free access to its Core facilities for the successful applicants. Successful candidates will need to propose the use of SC TRIMH Core facilities (Multi-scale Modeling Core, Advanced Fabrication and Testing Core, and Preclinical Assessment Core). Core descriptions as well as a list of funded 2019 SC TRIMH Pilot Projects can be accessed via the SC-TRIMH webpage: [https://www.clemson.edu/centers-institutes/sc-trimh/](https://www.clemson.edu/centers-institutes/sc-trimh/)
To Apply:

**Fast Forward Applications**: Please provide: 1) Title page (Project Title, PI and Contact Information, Co-Investigators and Award Category), 2) Abstract (1 page), 3) Project Description (1-3 pages), 4) Biographical Sketches of PI and Key Personnel, 5) Budget and Budget Justification (**PI salary support is not allowed**), 6) Literature Cited and 7) Letters of Support from Collaborator(s) or Other Key Personnel or Resource Contributors.

**Mentored Investigator and Discovery Applications**: Please provide a full proposal in NIH format summarizing aims, background, and planned research. The application should include: 1) Title Page (Project Title, PI and Contact Information, Co-Investigators and Award Category), 2) Abstract (1 page), 3) Proposal (3-5 pages), 4) Biographical Sketches of PI and Key Personnel, 5) Budget and Budget Justification (**PI salary is not allowed**), 6) Literature Cited and 7) Letters of Support from Collaborator(s) or Other Key Personnel or Resource Contributors.

The SC TRIMH will hold an informational meeting **Friday January 31, 2020** to address any questions regarding this solicitation (Rhodes Annex Rm 109; 3:00-4:00 pm).

**Due Date: Monday March 2, 2020**

**Submission**: Submit assembled PDF applications to 2020 SC TRIMH Pilot Project portal on the Office of Research Development “Limited Submissions” page.

[https://www.clemson.edu/research/development/funding-opportunities/funding/limsub.html](https://www.clemson.edu/research/development/funding-opportunities/funding/limsub.html)

**Evaluation**: Grants will be reviewed using NIH evaluation criteria wherein the study will receive an Overall Impact score based upon review of the following categories: Significance, Investigators, Innovation, Approach and Environment.

**Beginning Funding Date**: May 1, 2020

**Inquiries:**
Tommy Gallien, SC TRIMH Program Manager
tgallie@clemson.edu
843-876-2409