What are R-Initiatives?

Clemson University has made great strides in research in recent years, culminating in our distinction as a Carnegie R1: Doctoral University (highest research activity). To further build our research reputation, and in support of our faculty, the Division of Research is making additional funding opportunities available within the University.

R-Initiative programs nurture scholarship and discovery at Clemson University by providing funding opportunities and professional development support, while recognizing excellence through awards programs.

Since launching R-Initiatives in 2017, Clemson University has invested nearly $6 million in research projects involving 250 faculty members. These funds have helped faculty secure $5 million in additional external funding, acquire 14 new pieces of instrumentation, publish 8 books and 27 journal articles, and conduct 8 art exhibitions. Additionally, funds have helped 57 students earn PhDs and have assisted in the hiring of 18 postdocs and research faculty.

Website: https://www.clemson.edu/research/division-of-research/r-initiatives.html
<table>
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<tr>
<th>Initiative</th>
<th>Description</th>
<th>Next Deadline</th>
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<tr>
<td><strong>CU Fellows</strong></td>
<td>Funding for the hiring and training of new research faculty and postdoctoral researchers</td>
<td>February 24, 2021</td>
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<tr>
<td><strong>CU-MRI</strong></td>
<td>Funding for the purchase or replacement of major research equipment or an upgrade of major research equipment</td>
<td>March 24, 2021</td>
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<td><strong>CU Succeeds</strong></td>
<td>Funding to position interdisciplinary faculty teams to successfully compete for significant external funding ($1.5 M or more)</td>
<td>April 14, 2021</td>
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<td><strong>CU-CIA</strong></td>
<td>Provides access to Clemson’s core research facilities, at no cost, to help Clemson University faculty build research data that will supplement a new grant proposal</td>
<td>April 30, 2021</td>
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<tr>
<td><strong>CU Seed</strong></td>
<td>Funding for initiation of research activities or the completion of a scholarly project</td>
<td>Fall 2021</td>
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Eligibility

- Past recipients of R-Initiative funding who did not comply with the terms of funding are ineligible.
- Generally, follows Clemson’s PI policy; Tenured or tenure-track faculty are eligible to submit proposals.
- Emeritus, adjunct, and visiting faculty, as well as postdocs and staff, are not eligible to lead projects but may be included in research teams.
Things are a little different this year...

- **Limitation on submission for CU Fellows and CU-MRI**

  Each college may be the lead on **two** proposals, which can be either single-college or multi-college. A single-college proposal involves faculty from only one college. A multi-college proposal involves faculty from two or more colleges. Multi-college submissions are highly encouraged.

- **Cost share not required for CU Fellows, CU-MRI, and CU SUCCEEDS**

  The cost-share requirement will be removed for the 2021 cycle, but it is still allowable and highly encouraged.
Clemson Research Fellows

**Funding Period:** Max. 2 years  
**Amount:** Standard salary for the position

**Recent Awards**
- **CU FELLOWS: Research Initiatives in Engineering, Computing, and Applied Science Pedagogy**  
  **PI:** Chris Kitchens, Chemical & Biomolecular Engineering  
  **Hired:** Research Assistant Professor
- **CU FELLOWS: Public Humanities and African-American Life in Upstate South Carolina**  
  **PI:** Lee Morrissey, English  
  **Hired:** Postdoctoral Fellow
- **CU FELLOWS: CUSHR Embedded Postdoctoral Scholars - Collaborations in Health Innovation**  
  **PI:** Windsor Sherrill, CUSHR/Public Health Sciences  
  **Hired:** 2 Postdoctoral Fellows
Recent Awards

• CU-MRI: Procurement of a Pneumatic Ram for the Research of Severe Impact Scenarios
  PI: Jean Desjardins, Bioengineering

• CU-MRI: Acquisition of a Nano-Flow Liquid Chromatography System and the Associated Nano-Flow Ionization Interface to Enhance the Research and Teaching Infrastructure in Proteomics
  PI: Nishanth Tharayil, Plant & Environmental Sciences

• CU MRI: Fast Protein Liquid Chromatography (FPLC)
  PI: Hugo Sanabria, Physics & Astronomy

Funding Period: 6 months
Amount: More than $50,000
Clemson Faculty Succeeds

(Strategic University Challenge for Competitive Excellence & Expertise in Discovery & Scholarship)

**Funding Period:** 1 year

**Amount:** Up to $35,000 to submit large (greater than $1.5 million over three years) external grant application(s)

**Recent Awards**

- An HPC-Backed Interactive Visualization Instrument Enabling Collaborative Computational Genomics and Virtual Reality Research
  - **PI:** Brygg Ullmer, Computing
  - **Target funding opportunity:** NSF MRI
- CPS for the Power System Control and Operation Center of the Future
  - **PI:** Johann Enslin, Electrical and Computer Engineering
  - **Target funding opportunity:** NSF Cyber-Physical Systems (CPS)
CORE R-INITIATIVES

Clemson Core Incentivized Access

Deadlines: Fall and Spring
Funding Period: 1 year

Core Facilities

- Clemson Light Imaging Facility (CLIF - https://www.clemson.edu/centers-institutes/light-imaging/)
- Clemson Electron Microscope Facility (EMF - https://www.clemson.edu/centers-institutes/cuadvancedmaterialscenter/electron-microscope/)
- Clemson University Micro Fabrication Facility (CUMFF - https://www.clemson.edu/cecas/ece-clean-room/index.html)
- Godley-Snell Research Center (GSRC - https://www.clemson.edu/research/godley-snell.html)
- Aquatic Animal Research Lab (AARL - https://www.clemson.edu/research/services/facilities.html)
- High Performance Computing (HPC - https://ccit.clemson.edu/services/research-and-hpc/)
Clemson Support for Early Exploration & Development

Funding Period: 1 year
Amount: Tier 1: $5,000; Tier 2: $10,000

Tier 1: Completion
- Revising and resubmitting external grant proposals.
- Finalizing peer-reviewed publications.
- Scholarly books or book chapters.
- Showing, as in the case of the visual and performing arts.

Tier 2: Project Initiation
- Establishing baseline data.
- Completing a phase of a research project that will lead to greater funding opportunities.
- Developing research partnerships.
- Final deliverable must exclude external proposal submission
Other Programs

- **CU-MUSC Artificial Intelligence Pilot Project Initiative**: designed to serve as a mechanism to advance medical/health-focused technology innovations for follow-on research and commercialization as well as a catalyst to further develop AI-related research collaborations between Clemson and MUSC research faculty and graduate students.

- **CURF PRISMA Innovation Maturation Fund**: grant mechanism to advance medical technology innovations for follow-on research and commercialization and serve as a catalyst to further develop COVID-19 related research collaborations between Clemson research faculty/graduate students and Prisma Health – Upstate clinicians.

- **Doctoral Dissertation Completion Grant**

- **Sponsor Travel Grant**: up to $1,000 for investigators to visit agency or foundation program officers to establish relationships and discuss new funding opportunities

- **Alumni Award for Outstanding Achievement in Research (AAOAR)**: presented annually at the May Faculty/Staff meeting to a faculty member engaged in research
Tips for a Successful Application

• Read the solicitation carefully, and follow directions
• Start early; get in touch with your grants office
• Ask questions
• Seek feedback for colleagues or staff
Questions???

Contact me at rifunds@clemson.edu

Upcoming Events

Tuesday, March 9, 2021 10:00 AM-11:30 AM
Proposal Budget Basics

Thursday, March 29, 2021 11:00 AM-12:30 PM
SciENcv