



Division of
RESEARCH

Clemson University
Meet the R-Initiatives!

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OFFICE OF RESEARCH DEVELOPMENT
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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>

CORE R-INITIATIVES

CU FELLOWS

Funding for the hiring and training of new research faculty and postdoctoral researchers

Next Deadline: February 24, 2021

CU-MRI

Funding for the purchase or replacement of major research equipment or an upgrade of major research equipment

Next Deadline: March 24, 2021

CU SUCCEEDS

Funding to position interdisciplinary faculty teams to successfully compete for significant external funding (\$1.5 M or more)

Next Deadline: April 14, 2021

CU-CIA

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

Next Deadline: April 30, 2021

CU SEED

Funding for initiation of research activities or the completion of a scholarly project

Next Deadline: Fall 2021



- ❑ 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.

CU FELLOWS

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



Clemson Major Research Instrumentation Program

Funding Period: 6 months
Amount: More than \$50,000

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

CU SUCCEEDS

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)

CU-CIA

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@clermson.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

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