

The University of Cincinnati Office of Research's Armstrong Institute for Space, Technology, and Research (ASTRO) Core Facilities Support Program

Program Information

As part of UC's **Research2030** investments in infrastructure and growing our research impact, we seek to support and enhance our research community whose activities are aligned with the ASTRO (formerly SRIDE). The goal of this funding support mechanism is to enable investigators whose research interests are aligned with the ASTRO to use the ARCC, UC's high-performance computing (HPC) services or the Digital Futures Virtual Environments Lab to obtain critical data for submission of a competitive extramural proposal, patent application, commercialization agreement, or peer-reviewed manuscript.

The UC Advanced Research Computing Center (ARCC)

Purpose: To assist the researcher performing artificial intelligence, machine learning, data analytics/science and modeling and simulation research and research data management including storage, transfer, collaboration and sharing of data.

The Digital Futures Virtual Environments Lab

Purpose: To assist the researcher in solving urgent real-world problems in safe virtual spaces by developing novel spatial and immersive technology applications, including augmented and virtual reality applications and computer simulations that utilize artificial intelligence and machine learning, environmental scanning, photogrammetry, biometric data, and biomechanical motion capture.

The application form for requesting ASTRO-supported use of these facilities can be found at <https://research.uc.edu/funding/overview>. Interested researchers are encouraged to contact the Office of Research to receive support before submitting an application: research@uc.edu

Successful applications will demonstrate: (a) a clear justification for the need for these research facilities and services; (b) a well-defined statement for how the proposed research is aligned with ASTRO's mission; and (c) the desired research outcome aligns with the goals of this support program.

Note: Applications are accepted on a rolling basis.

QUESTIONS? Email research@uc.edu