

BECOMING ***INTERNATIONALLY KNOWN*** ***FOR OUR RESEARCH AND CREATIVE WORK***

CU Denver is committed to growing our record of excellence in diverse fields of research and creative works. Through advanced, focused research, we better understand complex issues and find new, creative ways to solve problems. Our researchers help shape the region and beyond through their research and creativity in areas such as artificial intelligence and data science, climate change (disaster preparedness, drought, environmental justice, resilience, and wildfire), cybersecurity, health (bioengineering, epigenetics, information systems, management), democracy, performing arts, smart cities, and sustainable urban infrastructure.

By exploring and investigating the challenges affecting society today, our talented, diverse research and scholarly community—artists, economists, education experts, engineers, historians, policy experts, scientists, urban planners, and more—are helping to shape a better future.

We pride ourselves on conducting research that advances our fields of study while directly impacting our local, regional, and global communities.

The undergraduate and graduate student experience is enhanced by their engagement with these scholarly and creative activities and their meaningful contributions to this ongoing research. By working together, we better understand and improve our world.

CU DENVER RESEARCH BY THE NUMBERS: FY23

▶ **\$28.6M**

(+55% over FY22)
new sponsored project awards

▶ **187**

active principle investigators
and project directors

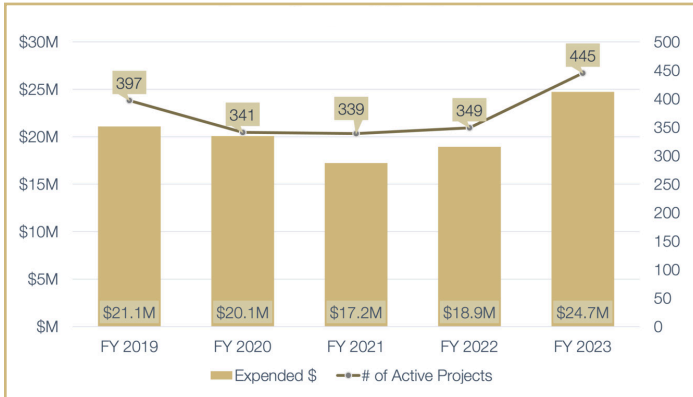
▶ **445**

sponsored projects

▶ **\$24.7M**

(+29% over FY22)
sponsored project expenditures

SPONSORED PROJECT EXPENDITURES 5-YEAR TREND



Top-5 FY23 Federal Funding Sources

NSF: \$5.62M Dept. of Commerce: \$2.20M
 Dept. of Education: \$4.68M Dept. of Defense: \$1.56M
 NIH & other DHHS: \$4.67M

Top-5 FY23 Projects by Awarded Dollars

K. Hamilton (Physics) NSF \$2.3M
 M. Dunn (CEDC) EDA \$2.0M
 B. Seidl (SEHD) Dept Ed \$1.6M
 B. Seidl (SEHD) CO Dept Higher Ed \$1.3M
 C. Bodine (BioEngr) Dept HHS \$1.1M

STUDENT RESEARCH, SCHOLARSHIP, & CREATIVE WORK

CU Denver students are building robots, creating documentary films, and developing new medical imaging techniques.

- CU Denver's diverse student population is growing the next generation of research talent with 60 PhDs awarded in 2023
- 100 students received EURēCA! program funding to participate in Undergraduate Research & Creative Activities
- 185 students presented at the 2023 Research and Creative Activities Symposium (RaCAS)

RESEARCH GRAND CHALLENGES 2022-2023

Type I Development Awards (2023)

Advancing Research and Innovation for Aging and Disability (Team Leader: Cathy Bodine)
 Center for Applied Genome and Epigenome Science (Team Leader: Xiaojun Ren)
 Building Democratic Communities Collaborative (Team Leader: Christopher Weible)

Type II Planning Awards (2023)

Equality as an Economic Performance Multiplier (Team Leader: Traci Sitzmann)
 Biodegradable Landscape Infrastructure Pods (Team Leader: Marc Swackhamer)

Type I Development Awards (2022)

Anrastructure Informatics: Research Center for Preventative, Predictive, and Prescriptive Design, Maintenance and Management of Civil Infrastructures using AI/DATA Science (Team Leader: Farnoush Banaei-Kashani)
 Design & Implementation of a Community Collaboration and Research Center (Team Leader: Jeremy Nemeth)

Type II Planning Awards (2022)

Technology Research and Innovation for Aging and Disability (Team Leader: Cathy Bodine)
 Imaginator Academy (Team Leader: Theo Edmonds)
 Research and Insights into the Transformation of Health Systems (Team Leader: Jiban Khuntia)
 Engineering Better Medicine by Disruptive Technologies and Conceptual Revolution Pitch: A Collaborative Program for Epigenetics (Team Leader: Xiaojun Ren)
 Collaborative for Building Democratic Communities (Team Leader: Christopher Weible)

100+ Faculty	100+ Student Researchers
126 Grant Proposals \$55.2M*	30 Grant Awards \$6.4M*

* Grant proposals with Grand Challenges team member listed as PI. Values are from July 1, 2022 to date.

SEEDING INNOVATIVE RESEARCH & CREATIVE WORK

Seed grants are intended to initiate research and creative activity that supports proposal development for external funding.

- Arts and Humanities Seed Grants Program: 8-12 awards/year of up to \$10,000
- Convergence Research Grants Program: Supports convergence research through planning, team formation, and proposal development around "high impact" research and creative work to sustain the Grand Challenge initiative; Type I Development awards (up to \$100K) and Type II Planning awards (up to \$50K). Anticipated program budget \$200K
- Open/All-Disciplines Seed Grants Program: 15-20 awards/year of up to \$10,000

