

Research Institutes

University of Colorado Boulder

Driving transformative scientific, societal and economic advances for Colorado, the nation and the world



12

world-class
research institutes

 **56%**

of all sponsored research dollars at
CU Boulder in FY22-23



3,000+

researchers, students and
staff employed by institutes

Interdisciplinary research institutes at CU Boulder are helping solve the most pressing scientific and societal challenges of the 21st century.

Making unparalleled advances in a wide range of critical areas:

-  **Climate change**
-  **Quantum science and technology**
-  **Renewable energy research**
-  **Social justice**
-  **Artificial intelligence in education**
-  **Mental health and wellness**
-  **Resilient communities**
-  **Violence prevention**



Our institutes attract talented faculty pursuing innovative projects, enriching the university's educational and research missions.

- Institutes deliver:
- ✓ Breakthrough discoveries fueling important advances
 - ✓ Increased teaching and mentorship opportunities for students
 - ✓ Research funding that grows productivity across the university
 - ✓ Infrastructure for large-scale, collaborative projects that bolster CU Boulder's world-class research reputation



Our institutes provide unique research-related training opportunities and unmatched educational offerings for undergraduate and graduate students.

- Students can:
- ✓ Study environmental change in the most remote regions on Earth
 - ✓ Gain hands-on experience with some of the most sophisticated scientific equipment in the world
 - ✓ Operate spacecraft
 - ✓ Probe all dimensions of the human experience



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Research Institutes at CU Boulder

CU Boulder's 12 research institutes are engines of innovation and hubs of research and education delivering on the university's mission to **serve as the state of Colorado's comprehensive graduate research university** and **be a leader in identifying and addressing the humanitarian, social and technological challenges of the 21st century**. The institutes catalyze the researchers, facilities, partnerships and investments needed to carry out this mission.



Research impact

CU Boulder research institutes capture the imagination, inspire innovation and improve lives, embodying the strength and momentum that make the University of Colorado one of the world's great research universities.

Environmental sciences

- ➔ Understanding why and how changes in the Earth's environment affect our lives and well-being

Biological sciences

- ➔ Improving global health and the welfare of individuals, communities and the world

Behavioral genetics

- ➔ Understanding how genetics and environment shape human behavior

Renewable and sustainable energy

- ➔ Creating solutions to meet increasingly demanding global climate, energy and sustainability challenges

Mental health and wellness

- ➔ Improving the wellness of children and adults who support them, and training future scholars and practitioners

Natural and human history

- ➔ Expanding our knowledge of the natural world and human history through research and public education

Space sciences

- ➔ Exploring the solar system through innovations in science and engineering

Social and behavioral sciences

- ➔ Understanding the drivers and consequences of social challenges and pursuing solutions

Cognitive sciences

- ➔ Researching the science of the mind to address challenges in human health and well-being

Fundamental physics

- ➔ Advancing classical and quantum physics to open new frontiers of scientific possibility

Engineering, performance and art

- ➔ Transforming ingenious ideas into reality through research, experimentation and critical thinking

Earth systems

- ➔ Embracing a global perspective on bellwethers of environmental change

Learn more about CU Boulder's 12 research institutes:

colorado.edu/researchinnovation/institutes



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