

COLORADO STATE UNIVERSITY



Columbine Health Systems CENTER FOR HEALTHY AGING



COMPARATIVE
AGING



COGNITIVE,
SOCIAL, AND
BEHAVIORAL
AGING



AGE-FRIENDLY
ENGINEERING,
DESIGN AND
REHABILITATION



BIOLOGY AND
PHYSIOLOGY
OF AGING

FY23 Summary of Proposed and Awarded Funding for Aging-Related Research

PROPOSALS
SUBMITTED

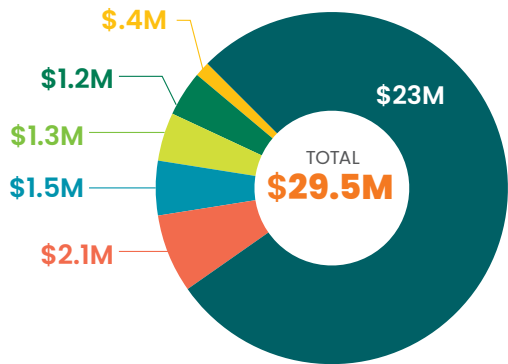
45

PROPOSAL FUNDING
REQUESTED

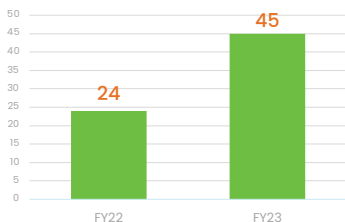
\$29.5M

\$6.98
MILLION

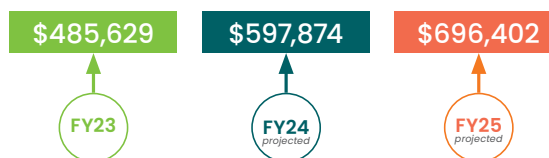
TOTAL ACTIVE AWARDS



AGING-RELATED RESEARCH PROPOSALS: TOTAL # SUBMITTED



TOTAL OPERATING EXPENSES



RECENT RESEARCH PROJECTS

Longitudinal COVID-19 Screening Study in Senior Care Facilities

The Center's COVID-19 surveillance testing project, funded by a \$20.3 million grant from the state of Colorado, concluded in 2023. The project resulted in a vast longitudinal specimen archive, comprising over 250,000 nasal swab samples from approximately 8,000 staff and residents in long-term care communities.

The Colorado Longitudinal Study

The Center continues its role as the first engagement hub for the Colorado Longitudinal Study, a groundbreaking initiative to recruit and track the health trajectories of 1 million Coloradans over a decade.

Catalyst for Innovative Partnerships Award

In FY23, eleven CHA faculty affiliates and supporting staff completed an OVPR-funded CIP project. They established a translational comparative pipeline to accelerate aging research at CSU, confirming the value of companion dogs in understanding age-related decline in older humans. A key finding indicates extracellular vesicles as markers for cellular aging and health.



The Columbine Health Systems Center for Healthy Aging is also a resource for evidence-based outreach and education about healthy aging locally, regionally, and nationally:

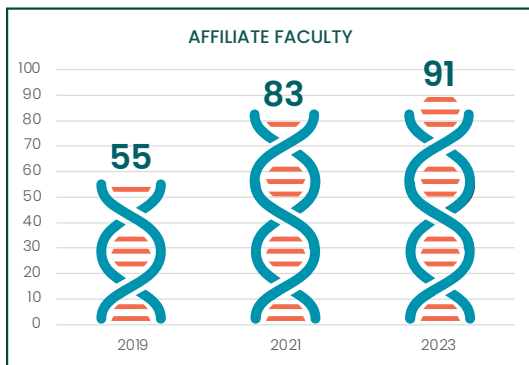
Programs and Services

- ▶ Counseling Services and Neuropsychological Testing
- ▶ Moving Through Parkinson's
- ▶ Tech Skills for Older Adults

Events

- ▶ COVID-19 Expert Panel Series
- ▶ Art and Aging Exhibition
- ▶ Healthy Aging Speaker Series
- ▶ "Aging Across the Life Span" Panel Discussion

Growth of Affiliate Faculty Over Time



Growth in Departments and Colleges Over Time

2019	2021	2023
4 COLLEGES & 16 DEPTS	7 COLLEGES & 22 DEPTS	25 DEPARTMENTS

A key goal of the Center is to bring together faculty working on cutting edge research in topics related to healthy aging. Currently, the Center has more than 85 faculty affiliates across seven colleges and 25 departments.

The Center's Top Growth Priorities Next 1-3 Years

CORE 1: Transdisciplinary Research

- » Expand comparative aging research opportunities (basic and applied).
- » Develop a longitudinal biospecimen and data management core for aging biomarker discovery.
- » Build and maintain a robust research participant registry.
- » Engage faculty through an official membership agreement.
- » Recruit additional core faculty.

CORE 2: Educational Opportunities

- » Obtain "Special Academic Unit" status in order to provide aging-related courses and credits.
- » Submit a federal training grant proposal to provide funding for predoctoral and postdoctoral research training and support for innovative exploratory and developmental research.
- » Apply for "Age-Friendly University" designation for CSU.
- » Create an interdisciplinary online educational degree in clinical research management.
- » Launch certificate programs that supplement students' and community members' skills and training.
- » Facilitate summer capstone projects for O.T.D., M.D., D.V.M., and Ph.D. students in interdisciplinary aging studies.
- » Launch the Interdisciplinary Aging Research Mentored Pilot Grant Program.

CORE 3: Community Engagement

- » Continue to increase presence within local organizations focused on serving older adults.
- » Launch the *living healthy longer* podcast and expand communications.
- » Create and engage an external advisory board.
- » Expand reach at state and national levels.

CORE 4: Finances + Philanthropy

- » Forge external partnerships with foundations and industries to elevate aging research and programming within the Center.
- » Seek prospective donors for translational and comparative research.
- » Create growth opportunities through clinical trials, longitudinal biobanking, and industry partnerships.

STRETCH GOALS: 5+ Years from Now

- » Develop an interdisciplinary doctoral program in aging studies, providing Ph.D. students an opportunity to create a degree of their own design.
- » Create an assisted living/retirement community on CSU's Main Campus, providing a state-of-the-art living-learning experience that benefits both CSU faculty and students, as well as older adults in Fort Collins.
- » Develop a multi-institutional intervention trial infrastructure for companion dogs to accelerate and de-risk translation of geroprotectors.



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