



2022 Pilot Grant Program Request for Proposals

Introduction:

The Center on Aging sponsors an annual pilot grant program to promote the development of aging research at the University of Utah. The goal of this program is to encourage new investigator career development, attract established investigators to aging research, and stimulate interdisciplinary research collaborations – ultimately leading to new externally funded research. Additional information describing the program, including its previous recipients, is available at <http://aging.utah.edu/grants/pilot/index.php>

For this year's program, funding priority will be given to applications that focus on some aspect of cognitive resilience. Mechanisms and predictors of cognitive impairment in aging is the organizing theme for a P30 NIA Older Americans Independence Center (Pepper Center) application that is being developed for a Fall 2022 submission. The scope of cognitive resilience may include a wide range of mechanisms and predictors – genetic, medical – including peripheral and cerebral vascular – and social and environmental factors including caregiving and social determinants of health. Applicants should consider whether other University research resources can be leveraged to enhance their proposal. Applicants are encouraged to utilize the CoA Research Participant Registry and incorporate in their proposal resources available for cognitive resilience research through the Neuroscience Initiative. Demonstrating use of these resources will be an important component of the P30 application and selection of pilot projects and investigators in that proposal. Resources available at no cost to investigators include a well-characterized cohort of individuals interested in research participation and their caregivers, data management, advice about study design and analysis, biomarkers, DNA banking, and imaging. Please contact Dr. Norman Foster for more information about accessing these core resources. More information about Pepper Centers is available at <https://www.peppercenter.org>.

The CoA is partnering with the NIA funded Family Caregiving Research Collaborative (K07 AG068185; PI- Dr. Lee Ellington). An additional family/family caregiving focused pilot grant application will be funded from this resource. This application requires that family members (identified family), family caregivers or informal caregivers are included in the project as participants and will continued to be included in seeking extramural funding. Note that the Caregiver Collaborative targeted award is not required to include a focus on aging or older caregivers. This new One U partnership enables us to extend support for this important area.

Applicants:

Submissions from a wide range of disciplines from basic biology, clinical sciences, and social and behavioral aspects of aging are encouraged. There is priority given to applications from individuals who are *new to aging research* and from two or more investigators who are establishing a *new interdisciplinary research collaboration* in an aging-related interest area.

Principal investigators must have a Career or Tenure line University of Utah faculty appointment. While Center on Aging membership is not required, applicants are strongly encouraged to apply for membership concurrently with their application. Membership information is available at <http://aging.utah.edu/membership/join.php>

Funding:

The Center on Aging will devote up to \$100,000 to its pilot grant program this fiscal year to fund up to four one-year proposals each with a budget limit of \$25,000.

One Caregiving Collaborative targeted application will be awarded with a budget limit of \$25,000.

Applications will be reviewed and funded in two broad tracks derived from the Gerontological Society of America's sections (www.geron.org). If the interdisciplinary features of the proposal bridge between these two tracks, the applicant should select one category as the primary for review purposes.

1. Biological and Health Sciences related. Proposals that pertain to biological aspects of aging or clinical aspects of geriatrics will be reviewed in this category.
2. Behavioral Science, Social Science and Policy related. Proposals that pertain to behavioral, social, or policy-related aspects of aging or geriatric care will be reviewed in this category.

The historical funding success rate has been 30% in both tracks. About three-fourths of grants have been awarded to Health Sciences faculty and one-fourth to Main Campus faculty investigators. This parallels the funding that has been provided from the respective Senior Vice Presidents' offices to support the pilot grant program. Prior funded award examples are available on the Center's web page.

Applicants are encouraged to contact Steering Committee members listed below to discuss ideas for possible submissions or to provide assistance with your submission. Applicants who are not familiar with the NIH application format are strongly advised to seek assistance from a Steering Committee member.

Applicants targeting the Caregiver Collaborative pilot grant opportunity are encouraged to contact Dr. Ellington.

Name	College/ Department	E-mail address
Sarah Canham, PhD	College of Social Work	sarah.canham@utah.edu
Kara Dassel, PhD	College of Nursing	kara.dassel@nurs.utah.edu
Micah Drummond, PhD	Physical Therapy	micah.drummond@hsc.utah.edu
Kevin Duff, PhD	Neurology	Kevin.duff@hsc.utah.edu
Linda Edelman, PhD	College of Nursing	Linda.edelman@nurs.utah.edu
Lee Ellington, PhD	College of Nursing	Lee.ellington@nurs.utah.edu
Lea Erickson, DDS	School of Dentistry	Lea.Erickson@hsc.utah.edu
Norman Foster, MD	Neurology	norman.foster@hsc.utah.edu
Rand Rupper, MD	Division of Geriatrics	Randall.rupper@hsc.utah.edu
Ken Smith, PhD	Family & Consumer Studies	ken.smith@fcs.utah.edu
Mark Supiano, MD	Division of Geriatrics	mark.supiano@hsc.utah.edu
Peter West, PhD	College of Pharmacy	peter.west@utah.edu

Budget:

The following items may **not** be supported with pilot project funds:

- Faculty salary, with the exception of partial summer salary for faculty with a 9-month appointment if there is explicit justification. Faculty effort devoted to the pilot grant needs to be provided in the form of protected or release time from clinical or teaching responsibilities. A letter from the principal investigator's department head or dean must be submitted with the application documenting the time or percent effort that the faculty member will have available to dedicate to the pilot grant project.
- Major equipment (cost greater than \$5,000)
- Travel not directly needed for the research project (e.g. to attend conferences)

Review Process:

Proposals will be reviewed by members from the Center on Aging Steering Committee and at least one outside reviewer. The Steering Committee will make final funding decisions. All applications will be evaluated based on the review criteria (below) and subjected to standards of research quality appropriate for the track in which the proposal is submitted. The allocation of awards across the two tracks will depend on the pool and quality of awards received. Applications targeting the Caregiver Collaborative

opportunity will be reviewed as a separate group.

Review Criteria:

- Aging focus and significance
- New interdisciplinary collaboration, new investigators (junior faculty), or those new to aging research
- Scientific merit and innovative nature of the research
- Likelihood the proposed study will lead to peer-reviewed extramural funding

Application Process:

Proposals should be electronically submitted as single PDF file with **all** components listed below in the following order. [Note: incomplete submissions may disqualify an application]

1. Cover letter that addresses the following aspects of the proposal:

- Its review track - Biological and Health Sciences or Behavioral Science, Social Science and Policy.
- If the application is targeted for the Caregiving Collaborative pilot.
- How this research specifically relates to aging and what is its potential significance or relevance to the field. In addition, if the PI is new to aging research, also indicate intentions for future aging-related studies.
- How the pilot project results will lead to future independent funding and the specific funding sources that will be targeted (agencies and projected submission dates).
- Suggestions of up to three objective potential reviewers – at least two external to the University of Utah. Please include reviewer affiliations and contact information (including telephone, fax, and email address).
- Relationship that PI or co-investigators have, if any, with the Center on Aging.

2. A letter of support from the department head/dean confirming that the principal investigator will receive protected time required to devote to the proposed project.

n.b. Only the PHS 398 NIH forms referenced below should be used. They are available as individual Microsoft Word or PDF documents at <http://grants.nih.gov/grants/funding/phs398/phs398.html#forms>

3. **Face Page** (NIH Form Page 1). Complete sections 1 – 8
4. **Project Summary and Relevance** (NIH Form Page 2)
5. **Budget** (Direct Costs Only; NIH Form Page 4)

6. **Budget Justification** (per NIH Guidelines; Form Page 5)
7. **Biographical Sketches for all key personnel** (NIH Form SF424-R)
8. **Research Plan**
 - a. Section 5.5.1 Introduction (1 page limit). This applies *only* to resubmission applications.
 - b. Section 5.5.2 Specific Aims (1 page limit)
 - c. Section 5.5.3 Research Plan (5 page limit)
 - Significance
 - Innovation
 - Approach (including preliminary studies or progress report if a revision application)
 - d. Section 5.5.5 Bibliography and References Cited/ and Progress Report Publication List
 - e. Section 5.5.6 Human Subjects (if applicable)
 - f. Section 5.5.10 Vertebrate Animals (if applicable)

Expectations of Award Recipients:

Recipients of this award are expected to formally apply for membership in the Center on Aging, actively participate in its programs, and provide the Center on Aging with:

- A final progress report at the conclusion of the funding period. Final payment of the award will be made upon receipt of this report.
- A financial accounting of how project funds were spent. Financial support from the Center on Aging must be acknowledged in all publications.
- For the caregiving focused award, the Family Caregiving Collaborative must be acknowledged in all publications. When citing the funding for the caregiving related award on professional documents (e.g., biosketch, CV, etc.), please indicate sponsorship from "Family Caregiving Collaborative/Center on Aging".
- Information pertaining to any publications and grant support resulting from the pilot grant project.
- A research presentation and/or poster at the 2023 Center on Aging Research Retreat.

Timeline:

The submission deadline for completed proposals is on or before:

Friday March 25, 2022, 11:59 PM Mountain Standard Time

- We anticipate making funding decisions by mid-June 2022.
- Projects may begin as early as July 1, 2022; the starting date may be negotiated.

Submission and Questions:

The proposal should be submitted **electronically** to **Heather Podolan**, Center on Aging Program Coordinator at heather.podolan@hsc.utah.edu (office phone: 801-213-4156) by the deadline **Friday March 25, 2022, 11:59 PM** Mountain Standard Time

Questions may be directed to:

- Heather Podolan, Program Coordinator, heather.podolan@hsc.utah.edu
- Dr. Mark Supiano, Executive Director, mark.supiano@utah.edu
- For the Caregiving Collaboration Award: Dr. Lee Ellington, Lee.ellington@nurs.utah.edu
- Any Steering Committee member [listed on page 2].