UNIVERSITY OF MICHIGAN
GERIATRICS CENTER

PILOT GRANT APPLICATION — 2013
Claude D. Pepper Older Americans Independence Center
Nathan Shock Center for Aging Research
Michigan Institute for Clinical & Health Research

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Co-Director, Pilot and Exploratory Studies Core

Susan V. Brooks, PhD
Director, Research & Development Core, Nathan Shock Center for Aging Research

Richard Miller, MD, PhD
Director, Nathan Shock Center for Aging Research

Jeffrey B. Halter, MD
Director, Geriatrics Center
Director, Claude D. Pepper Older Americans Independence Center

Tom Shanley, MD
Director, Michigan Institute for Clinical & Health Research

Completed applications, in the form of a PDF or Word DOC file, must be submitted to Jane Heibel (jheibel@umich.edu) by 4 pm on February 11th, 2013.
FACE PAGE

[Use this page as the first page of your application.]

GERIATRICS CENTER

PILOT GRANT APPLICATION: COVER PAGE

Proposal Title:

Principal Investigator:

Position Title:

Department:

Campus Address:

Telephone:

Space to be Utilized:

Signature for space approval:

Project Period: [ ] to [ ]  Total Cost: $ [ ] (not more than $40,000)

If your proposal involves the use of human subjects or vertebrate animals, you will be required to obtain approval from the Institutional Review Board (for human subjects) or to the University Committee on Use and Care of Animals (for animals) prior to receipt of pilot funds. No funds will be made available for projects that involve animals prior to receipt of a UCUCA approval letter. No funds will be made available for projects that involve human materials prior to receipt of an IRB approval letter.

Please check below if your research project involves:

- Human Subjects
- Vertebrate Animals

By submitting this application, the Principal Investigator agrees to accept responsibility for the scientific and technical conduct of the research project, and agrees to all terms and conditions of grants awarded by the University of Michigan Geriatrics Center.
PROPOSAL HISTORY

Has proposal been submitted previously to any peer-review agency?  ☐ Yes  ☐ No

If Yes, what agency?

Date Submitted

Outcome:  ☐ Approved, but with budget deletions that correspond to items contained in this application.
☐ Disapproved
☐ Pending. If pending:

Date when outcome will be known:

Earliest possible use of funds:

SCIENTIFIC ABSTRACT (Do not exceed space provided)

Title of Project: Long, long title that goes on forever Long, long title that goes on forever Long, long title that goes on forever Long, long title that goes on forever

Applicant:

Abstract:
INSTRUCTIONS FOR PILOT GRANT APPLICATION

Describe the research project using the following outline:

A. Specific Aims (no more than one page)
B. Research Plan
C. Relation to the Claude Pepper Older Americans Independence Center and/or the Nathan Shock Center, and their cores
D. Budget, Research Support, and Biographical Sketch

For items A, B, and C, do not exceed 5 single spaced pages of text, plus at most one page of reference citations. Use only standard 12 point fonts. Leave a one inch margin on all sides. Do not provide any appendices, reprints, or other ancillary material; incorporate all information into the text of the application.

A: The Specific Aims section should clearly state the goals of your research project, i.e. what you plan to accomplish during the 12 months of funding.

B: The Research Plan should include (a) background information needed for reviewers to appreciate your experimental rationale and the significance of your goals; (b) a brief description of your prior accomplishments and/or preliminary data, to help the reviewers judge the likelihood that your research will be successful; and (c) a description of the experiments you plan to do, including where appropriate information on novel methods, plans for analysis, and discussion of potential pitfalls and how they will be met. Methodology should be described only to the level of detail that will help the reviewers judge the merit of the proposal.

Current or previous recipients of Pepper or Shock Center pilot funds who wish to apply for an additional year of support should include one additional page discussing (a) progress derived from past or current Center funding; and (b) how the current application relates to the project originally funded.

C: Describe the way in which your research is likely to provide new insights into the cell and molecular biology of aging and/or is relevant to the health and independence of elderly people. Describe briefly your anticipated use, if any, of Pepper or Shock Center Research Resources Cores.

For more information on Pepper and Shock Center research cores, see:
http://www.med.umich.edu/geriatrics/research/ClaudePepper/
http://sitemapmaker.umich.edu/ns

D: Additional information. Provide a listing of other research support in NIH format, a budget with careful and convincing justification for all items, and an NIH Biographical Sketch with publication list (2 page limit). The publication list should clearly discriminate peer-reviewed publications, other publications, and abstracts. Letters from key collaborators should also be included, as appropriate.
Reviewer Suggestions

[Optional]

If you wish, you may provide us with the names of up to six scientists whom you would recommend as reviewers for your proposal. Provide names, affiliations, and if available telephone and/or FAX numbers. Do not include individuals who work at the University of Michigan, or with whom you have collaborated.

Suggested reviewers:

1.

2.

3.

4.

5.

6.

If you wish, you may also provide us with names of individuals whom you do not wish us to include as reviewers for your proposal.

1.

2.

3.
### BUDGET

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<th>Personnel</th>
<th>Role in Project</th>
<th>% Effort</th>
<th>Salary</th>
<th>Fringes</th>
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**EQUIPMENT (Itemize)**

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**SUPPLIES (Itemize by Category)**

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**OTHER**

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**TOTAL COST FOR PROJECT**

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**JUSTIFICATION** (use continuation page if necessary):

**Notes:**

1. **Pilot funds are not allocated for faculty salary without special explicit justification**
   (example: summer salary for faculty member with a 9 month appointment).

2. Grants cannot be used principally for equipment purchase except in very unusual circumstances, which would require thorough justification.

3. Total budget is limited to $40,000 (direct costs)