



## NOTICE

### 2013 Small Grant Program of the Barshop Institute for Longevity and Aging Studies

**Deadlines: March 1, 2013 and May 1, 2013**

The **Barshop Institute** is seeking small grant proposals in aging research from UTHSCSA, UTSA, and Texas Biomedical Research Institute faculty. Funds are available for research on **basic biological gerontology** through the Nathan Shock Center for Excellence in the Basic Biology of Aging, a component of the Barshop Institute. Three programs are included in this announcement: the **Pilot Grant Program**, the **Emerging Technologies Program** (see the separate instructions that follow on pages 3 and 4), and the **Research Development Core Mentoring Program** (see page 5).

#### **Pilot Grant Program**

The following faculty members are eligible to apply for **Pilot Grants**:

- ❖ Junior faculty beginning their research careers (faculty within four years of appointment at the level of Assistant Professor, tenure or non-tenure track);
- ❖ Established investigators who have not been previously involved in aging research. Note: Applicants who wish to be submit a proposal in the “established investigator” category must receive prior approval. Please contact Dr. Peter Hornsby ([hornsbyp@uthscsa.edu](mailto:hornsbyp@uthscsa.edu)) for details.

Grants will be awarded for up to **\$50,000**, direct costs. Normally a single year of funding will be provided, but under unusual circumstances a second year of funding may be awarded. If a second year of funding is requested, the applicant **must submit a progress report (maximum of 2 pages) as part of the application** (this does not count toward the 6 page limit).

The Nathan Shock Aging Center operates the following Cores: Aging Animal and Longevity Assessment Core; Healthspan and Functional Assessment Core; Pathology Core; Oxidative Damage and Mitochondrial Function Core; and Comparative Biology of Aging Core. It is strongly suggested that you consult with the relevant core leader, and **obtain a letter of support** to be included with your application, if you propose to use these core services.

Aging Animal and Longevity Assessment Core – Dr. James Nelson ([nelsonj@uthscsa.edu](mailto:nelsonj@uthscsa.edu))  
Healthspan and Functional Assessment Core – Dr. Randy Strong ([strong@uthscsa.edu](mailto:strong@uthscsa.edu))  
Pathology Core – Dr. Yuji Ikeno ([ikeno@uthscsa.edu](mailto:ikeno@uthscsa.edu))  
Oxidative Damage and Mitochondrial Function Core – Dr. Holly Van Remmen ([vanremmen@uthscsa.edu](mailto:vanremmen@uthscsa.edu))  
Comparative Biology of Aging Core – Dr. Steven Austad ([austad@uthscsa.edu](mailto:austad@uthscsa.edu))

#### **Evaluation:**

Evaluation of the proposals is a two-stage process. At stage one, two experts on the subject of the proposal from outside the Health Science Center prepare written evaluations. At stage two, a panel of Nathan Shock Center Core Leaders uses these written reports to judge the merit of the proposal and evaluate the relevance of the research to gerontology and to the goals of the Barshop Institute and the Nathan Shock Aging Center. The final review meeting will be held in June. Awardees will be notified no later than June 30th.

#### **Award Recipient Follow-up:**

Successful applicants will be required to provide the Barshop Institute with the following:

- A written report upon completion of the study and a seminar on the pilot study research
- Notification of abstracts or papers published to which the pilot study contributed
- Notification of extramural grants sought and awards received that relate to the pilot study

**2013 Pilot Grant Program of the  
Barshop Institute for Longevity and Aging Studies**

**Application Requirements:**

- ❖ The proposal must adhere to the following specifications:
  - Document formatting: Use NIH formatting (11 point Arial font; line spacing = 6 lines per inch; margins = 0.5 inch). Figures, charts, tables, figure legends, and footnotes may be in a smaller font size but must be readily legible.
  - Keep proposal length to no more than six pages, exclusive of the NIH face page, references, biosketch, budget, and budget justification.
- ❖ Your completed proposal should include the following:
  - 1) NIH face page (<http://grants.nih.gov/grants/funding/phs398/phs398.html>); **complete item numbers 1, 3, 4, 5, 6 and 7 only.**
  - 2) Proposal: One page for Specific Aims, and 5 pages for Research Strategy. This may include Significance, Innovation and Approach, including statistical analyses to be used. It is important to include a discussion of how the pilot grant will enhance future success in obtaining extramural funding.
  - 3) References (with complete authorship and titles).
  - 4) NIH-formatted 1st Year Budget and budget justification (**RESTRICTIONS on BUDGET: No funds for PI's salary or travel; no major items of equipment**).
  - 5) NIH-formatted biosketch including other support – 4 pages (per person)
- ◆ Assemble the grant application into a single PDF and email it to Dr. Peter Hornsby, Leader of the Research Development Core ([hornsby@uthscsa.edu](mailto:hornsby@uthscsa.edu)). Additionally, send **5 stapled hard copies** of the proposal to Ms. Nancy Markum at the Barshop Institute (campus mail: MC 7755; U.S. Mail: 15355 Lambda Drive, San Antonio, TX 78245-3207).

**Proposals must be received no later than 5:00 PM, Friday, March 1, 2013.**

## **Emerging Technologies Program**

All faculty members are eligible to apply for **Emerging Technologies Funding**.

A total of \$26,000 is available for awards under the Emerging Technologies Program for the year July 1, 2013 to June 30, 2014. The Emerging Technologies Program is a venture intended to facilitate rapid and optimal use of emerging technologies available at UTHSCSA to researchers working in aging. The primary goal of this program is to provide additional funding for ongoing research projects requiring the use of technologies in shared resources. There are several outstanding University Cores available to faculty at the institution, including the Optical Imaging Facility, the Research Imaging Institute, the Flow Cytometry Core Facility, the Genomics Resource Core, and others. Examples of supported studies are: optical and non-optical imaging, next generation sequencing, high throughput screening, proteomics, etc.; in general, funds may be used to support any discrete study that will aid the PI in future grant applications for funding related to the basic biology of aging. Each application must state (1) what is the nature of the new findings in their research that they wish to pursue; (2) what technologies that are available in the University Cores that they wish to use\*; (3) why funds from the Emerging Technologies Program would jumpstart their research; (4) what plans they have to leverage these funds to apply for future extramural funding, particularly from the NIA. **An important criterion that will be used in evaluating applications is that the funds requested are reasonable for the work proposed and are specifically justified by listing the numbers of assays to be performed or samples to be processed and the cost of each. Note that the funds awarded under the Emerging Technologies Program cannot be used to support a stand-alone pilot project. Funds must be used to supplement ongoing research.** Funds awarded under the Emerging Technologies Program will be used to offset the cost to the researcher of resource usage (in-full or cost-shared) and will be dispersed directly to the resource upon completion of services.

\*Under unusual circumstances, funds could be awarded to support technologies available only off-campus; please consult the Core Leaders for more information.

For more information, contact Dr. James Lechleiter ([lechleiter@uthscsa.edu](mailto:lechleiter@uthscsa.edu)) or Dr. Peter Hornsby ([hornsby@uthscsa.edu](mailto:hornsby@uthscsa.edu)).

### **Evaluation:**

A Barshop Institute faculty review panel will evaluate the relevance of the research to gerontology and to the goals of the Barshop Institute and the Nathan Shock Aging Center. The final review meeting will be held in June. Awardees will be notified no later than June 30.

### **Award Recipient Follow-up:**

Successful applicants will be required to provide the Barshop Institute with the following information:

- A written report upon completion of the study and presentation of the results in a brief seminar
- Notification of abstracts or papers published to which the funding contributed
- Notification of extramural grants sought and awards received that relate to the funding

**2013 Emerging Technologies Program of the  
Barshop Institute for Longevity and Aging Studies**

**Application Requirements:**

- ❖ The proposal must adhere to the following specifications:
  - **Document formatting:** Use NIH formatting (11 point Arial font; line spacing = 6 lines per inch; margins = 0.5 inch). Figures, charts, tables, figure legends, and footnotes may be in a smaller font size but must be readily legible.
  - Keep proposal length to no more than **one page**, exclusive of NIH Face page, references, biosketch, budget, and budget justification.
- ❖ Your completed proposal should include the following:
  - 1) NIH face page (<http://grants.nih.gov/grants/funding/phs398/phs398.html>); **complete items 1, 3, 4, 5, 6 and 7 only**
  - 2) One page proposal (see above for details)
  - 3) References (with complete authorship and titles)
  - 4) NIH-formatted 1st Year Budget and budget justification
  - 5) NIH-formatted biosketch including other support – 4 pages (per person)
- ◆ Assemble the grant application into a single PDF and email to Dr. Peter Hornsby, Leader for the Research Development Core ([hornsby@uthscsa.edu](mailto:hornsby@uthscsa.edu)). Additionally, send **5 stapled hard copies** of the proposal to Ms. Nancy Markum at the Barshop Institute (campus mail: MC 7755; U.S. Mail: 15355 Lambda Drive, San Antonio, TX 78245-3207).

**Proposals must be received no later than 5:00 PM, Wednesday, May 1, 2013.**

## **Mentoring Program:**

Several mentoring activities are organized under the Research Development Core of the Nathan Shock Center for Excellence in the Basic Biology of Aging. Senior faculty associated with Shock Center and the Barshop Institute are available to assist with the following mentoring activities:

- Assisting successful applicants to the Pilot Project Program to use findings resulting from their award to obtain major extramural awards;
- Assisting unsuccessful applicants to the Pilot Project Program to improve their grant applications;
- Assisting any faculty interested in aging with grant applications that focus on the basic biology of aging;
- Facilitating cooperation between basic science faculty whose research has translational aspects in biomedical gerontology with clinicians whose expertise is relevant to the topic of translational research.

Any faculty member wishing to know more about these activities is encouraged to contact the Research Development Core Leader, Dr. Peter Hornsby ([hornsby@uthscsa.edu](mailto:hornsby@uthscsa.edu)).