

Contact Information

1. Title of Project: (Limit to 80 characters, includes spaces)			
2a. Project Leader's (PL) Name:		2b. Mentor's Name:	
2c. Degrees	2d. eRA Commons Name	2e. Degrees	2f. eRA Commons Name
3a. PL's Position Title:		3b. Mentor's Position Title:	
4a. PL's Department:		4b. Mentor's Department:	
5a. PL's Organization & Mailing Address:		5b. Mentor's Organization & Mailing Address:	
6a. PL's Telephone:		6b. Mentor's Telephone:	
7a. PL's Email Address:		7b. Mentor's Email Address:	

8. Administrative Official to be notified if award is made:	
Name:	
Title:	
Mailing Address:	
Tel:	
Email:	

Proposed Time Period:	
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Signatures: PL: _____ Date: _____
 Mentor: _____ Date: _____
 PL Institutional Signing Official: _____ Date: _____

Funding Opportunity Announcement (FOA): Summer Research Grant

The Arkansas IDeA Network of Biomedical Research Excellence (INBRE) invites faculty with research interests in the biomedical sciences at predominately-undergraduate institutions (PUIs) to submit an application to the Faculty Mentored Research Program of the Arkansas INBRE Developmental Research Project Program (DRPP).

This FOA is intended to strengthen the science departments at the PUIs by providing funding for biomedical research performed by faculty and students.

The research theme of the AR INBRE is **Cellular Signaling, Growth, and Differentiation**. Make sure that your research topic falls under this theme. If you have any questions, contact Dr. Jerry Ware, Director of the Developmental Research Project Program (DRPP) of the Arkansas INBRE (jware@uams.edu).

The funding of Summer Research Grants is designed to help faculty at the PUIs in Arkansas to either launch a new research project or make significant progress with ongoing research that would not be possible with teaching commitments during the academic year. A recipient of a Summer Research Grant or Project Leader (PL) commits 100% effort to full-time research during the 10-week summer period, as guaranteed by a letter from his or her institution. Work may be done in the PL's or Mentor's laboratory, or both; and undergraduate student involvement is mandatory.

We anticipate awarding 6 Summer Research Grants. Each PL is required to identify a research Mentor, from one of the three Lead Institutions, UAMS, UALR or UAF, with expertise in the scientific area of the proposed research. If you have any questions or need help identifying a suitable Mentor, please contact Dr. Jerry Ware.

Eligible applicants include full-time permanent faculty members with unmodified title at the rank of Assistant Professor and higher from the PUIs in Arkansas. Applicants are required to have attended one of the INBRE-sponsored Grant Writing Workshops. Investigators from the University of Arkansas at Little Rock, the University of Arkansas at Fayetteville, and the University of Arkansas for Medical Sciences are not eligible to apply.

Funding Period: May 2019 – August 2020

Minimum Effort: 100% Summer Months (2.3 calendar months) Please note that a change in effort, after the award has been made, may result in forfeiture of the award.

Student Involvement: Strongly encouraged

Maximum Request: \$25,500

Due Date: January 14, 2019

All proposals must be submitted by the signing official of your institution. Completed applications (forms, narrative, references, support letters, IRB/IACUC approvals, etc.) should be sent via e-mail as a **single** PDF file to INBREApplication@uams.edu. Proposals submitted directly by faculty will not be accepted.

NIH Instructions and Fillable Form Pages: <http://grants1.nih.gov/grants/funding/phs398/phs398.html>

Part 1 – NIH Face Page

Part 2 – Project Leader & Mentor Contact Information ([INBRE Form](#))

Part 3 – NIH Form Page 2: Summary, Relevance, Project Performance Sites, Key Personnel, Other Significant Contributors & Use of Human Embryonic Stem Cells

Part 4 – Form Page 3: Research Grant Table of Contents

Part 5 – NIH Form Page 4: Detailed Budget for Initial Period

1. Allowable Costs include:
 - i. Salary Support (faculty & students)
 - ii. Research Supplies
 - iii. Travel
 - iv. Other Costs as justified (e.g., animal per diems, core facility charges)

2. Budget Justification – Please **justify in detail** all proposed expenses. See NIH Forms 398 Instructions <http://grants1.nih.gov/grants/funding/phs398/phs398.html> page 36 for detailed budget justification requirements. All items requested in the budget are to be used during the award period. Please use the *Continuation Format Page* for the budget justification.

Part 6 – NIH Biographical sketches – For Project Leader, Mentor, and other Significant Contributors. Make sure that each personal statement addresses the research in the proposal. Acceptable biosketches may also be generated at [SciENcv](https://www.ncbi.nlm.nih.gov/sciencv/) (https://www.ncbi.nlm.nih.gov/sciencv/).

Part 7 - Resources & Major Equipment 1 page limit, see 398 Instructions for detail on how to complete this section

1. Identify the facilities to be used (laboratory, clinical, animal, computer, office, other as needed for the project).
2. Describe the scientific environment of your institution and how it will contribute to the probability of success (e.g., institutional support, physical resources, and intellectual rapport) of your project.
3. For Early-Stage Investigators, describe institutional investment in the success of the investigator.
4. Describe any special facilities used for working with biohazards or other potentially dangerous substances.

Part 8 – NIH Checklist Form Page

Part 9 – Research Plan – Use NIH Continuation Form Page. 5 page limit, not including the Specific Aims page

- A. Specific Aims – 1 page limit
- B. Significance
- C. Innovation – It is highly recommended to limit the Significance and Innovation to 1 single page for both sections.
- D. Approach
 1. Subsections are highly recommended for each Specific Aim.
 - Rationale and Overall Strategy
 - Experimental Design and Methods
 - Expected Results/Outcomes
 - Potential Problems/Alternative Strategies
 2. Preliminary Studies for New Applications – This section may appear before the Research Strategy or if within in it, does not need to be a separate section.
 3. Progress Report for Renewal Applications – Be sure to indicate past outcomes and how this Renewal extends your previous studies.
 4. Undergraduate Student Participation – Include a paragraph on how you will incorporate undergraduate student participation.
 5. Future Plans/Goals – Please include a description of how you plan to use the results from this research: e.g., as preliminary data for a grant proposal to NIH or other agencies or to obtain research support from your home institution.
- E. Animal and Human Research Protection Section – For details of these sections, please see the instructions <http://grants1.nih.gov/grants/funding/phs398/phs398.html>.

Protection of Human Subjects

1. Inclusion of Woman and Minorities
2. Inclusion of Children
3. For all studies involving human subjects please include the following:
 - i. Planned Enrollment Report
 - ii. Cumulative Inclusion Enrollment Report

Vertebrate Animal Care and Welfare

- i. Use of Animals
- ii. Justification– for use of particular species and for numbers of animals proposed.

- iii. Veterinary Care
 - iv. Procedures
 - v. Euthanasia
- F. Biohazards

The following sections to not count towards the Research Plan page limit.

Part 10 – Literature Cited / References (This section does not count toward the page limit.)

Part 11 - Investigators **1 page limit**

A. The Project Leader

1. Project Leader's Background, Career Goals and Objectives, Scientific Biography
 - a. Describe short-term and long-term career goals (2 years vs. 5-10 years)
 - b. Describe role of grant award in attaining career goals
2. Career Development/Training Activities during Award Period

B. Mentor/Collaborator - Mentor's Background, Scientific Biography

1. Describe Mentor's role in helping PL to attain career goals

Part 12 – Supporting Materials

1. Letter of Support from the Project Leader's Institution
2. Letter of Collaboration/Support from your Mentor
3. Copy of IRB or IACUC Letter of Approval, if applicable
4. Personal Data Sheet (see Attachment 1). Place this form at the end of the application.

Attachment 1 – Personal Data

Place this form at the end of the application.

Principal Investigator	Mentor
1. Title of Project:	
2a. PL's Name:	2b. Mentor Name:
Please Note: this section is OPTIONAL your response will be used for statistical purposes only.	
4a. Gender: <input type="checkbox"/> Female <input type="checkbox"/> Male	4b. Gender: <input type="checkbox"/> Female <input type="checkbox"/> Male
5a. U.S. Citizen: Yes <input type="checkbox"/> No <input type="checkbox"/>	5b. U.S. Citizen: Yes <input type="checkbox"/> No <input type="checkbox"/>
6a. Ethnic/Racial Status Please check a category, which describes your ethnic/racial status <input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black, not of Hispanic Origin <input type="checkbox"/> Hispanic <input type="checkbox"/> Pacific Islander <input type="checkbox"/> White, not of Hispanic Origin	6b. Ethnic/Racial Status Please check a category, which describes your ethnic/racial status <input type="checkbox"/> American Indian or Alaskan Native <input type="checkbox"/> Asian <input type="checkbox"/> Black, not of Hispanic Origin <input type="checkbox"/> Hispanic <input type="checkbox"/> Pacific Islander <input type="checkbox"/> White, not of Hispanic Origin