INBRE-4 Funding Opportunity Announcement- Pilot Project

Information

Thank you for your interest in the INBRE Funding Opportunity - Pilot Project.

Before your begin, please review the following information:

1. Once you have created a login and password, you may exit and return to this application at any time. You may also move freely between sections. You may not submit your final application until all required fields are completed.

2. Application and Review Timeline:
   - Application posted: 12/17/2018
   - Application due: 3/1/2019
   - Scientific Ment Review & Advisory Council Review by: 3/31/2019
   - Earliest Start Date: 5/1/2019
   - Expiration: 4/30/2024

3. This funding opportunity is contingent upon the successful removal of the INBRE-4 proposal.

4. Please direct your questions regarding this application to Whitney Myers, INBRE Program Manager & Fiscal Director (whitney@uioah.edu).

5. If you have technical issues with this application, please email help@ember.com.
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Program Overview

The purpose of the Idaho INBRE Pilot Project is to stimulate biomedical research at Idaho educational institutions. The Pilot Projects will create opportunities for scientists and institutions to contribute to the Nation's biomedical and behavioral research effort by supporting small-scale research projects proposed by faculty members of eligible institutions. This Pilot Project requires 25% PI effort (3 months minimum effort).

The research projects are intended to:

1. Address the Idaho INBRE-4 scientific theme of 'Cell Signaling'.
2. Provide faculty the opportunity to invigorate their career with research that will be sustainable after the award period ends.
3. Provide intensive competitive biomedical research experiences for students.
4. Maintain and expand the biomedical research culture in Idaho.

Specific Requirements for Pilot Projects

The planned outcome of a Pilot Project award is to sustain a vigorous Idaho biomedical research network, to integrate research into the educator's career, and prepare the next generation of research scientists. Specific requirements for a Pilot Project application include:

1. Commitment of a single faculty member at 25% effort (3 calendar months) to conduct the research project.
2. Plans to involve undergraduate students or graduate students in the proposed Pilot Project. The application should include plans for students to be hands-on on research.
3. Identification of a Scientific Mentor with expertise relevant to the proposal, although not required, will strengthen the application. The Scientific Mentor must be an established scientist with an active research program that includes a laboratory group, recent publications in high impact scientific journals, and funding support. Scientific Mentors will help oversee the training and career development of the Pilot Project awardee.
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Eligibility

Eligible Organizations:

Institutions identified in the INBRE-4 grant proposal are eligible and include: Boise State University, Brigham Young University-Idaho, College of Southern Idaho, College of Western Idaho, Idaho State University, Lewis-Clark State College, North Idaho College, Northwest Nazarene University, The College of Idaho, and University of Idaho. Eligible non-profit research foundations include the Idaho Veterans Research & Education Foundation.

Eligible Individuals (Project Investigator): Any individual with the skills, knowledge, and resources necessary to carry out the proposed research as the Project Investigator (PI) is invited to work with his/her organization to develop an application for support. Individuals from under-represented racial and ethnic groups as well as individuals with disabilities are always encouraged to apply.

In keeping with the priority of the IDeA INBRE Program, funding priority is to junior investigators to provide the means to secure independent funding. Other eligibility and criteria include:

- The PI must have a primary faculty appointment at an eligible Idaho institution.
- The PI may not be the PI of any active NIH research grant at the time of an award.
- The PI may not be a COBRE-funded investigator.
- PIs on a 9-month appointment may request summer salary.
- The PI may not be awarded more than one INBRE Developmental or Pilot Project at a time.
- Individuals who have been supported as an investigator for more than 7 years (cumulative) OR who were the recipient of a Developmental Research Project in INBRE-3 are not eligible to apply.
- The PI must be submitting an application with new, stand-alone specific aims.

Number of Applications and Awards per Institution:

Eligible institutions may submit more than one application. However, no more than four awards will be assigned to one institution. Efforts will be made to competitively distribute funding across the state.

☐ I certify that I meet all eligibility requirements listed in the above section *

PREVIOUS  SAVE AND NEXT
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Award Information

NIH grants policies described in the NIH Grants Policy Statement, will apply to the applications submitted and awards made in response to this Idaho INBRE Pilot Project FOA.

1. **Funding Instrument**: Sub-award of the University of Idaho INBRE-4 program

2. **Funding available and anticipated number of awards**: We anticipate making 4 to 7 awards. Awards are contingent upon successful renewal of the University of Idaho parent INBRE-4 grant, NIH/funding appropriations, the submission of meritorious applications, positive outside review, and geographic distribution.

3. **Award Budget**: Up to $50,000 per year in direct costs plus applicable Facilities & Administrative (F&A)/indirect costs per year may be requested.

4. **Award Project Period**: The Pilot Project will be funded up to two years based on productivity and milestone completion. Recipients may request a third year of funding with appropriate justification. No matter the duration of the funding period, all projects will have an annual non-competitive renewal process for funding beyond year one.
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Applicant Information

Investigator Name (first and last) *

Email address *

Institutional Affiliation *

If applicable, name/email of scientific mentor.

Name/email for Dean or Department Chair. *

Name of undergraduate students, if identified, to work on the project.*

Project Title *
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**Research Strategy**

The Research Plan for the Pilot Project is **limited to two pages**.

Research plans must include:

A **two page** summary of the proposed project. State concisely the goals of the proposed research and summarize the expected outcome(s), including the impact that the results of the proposed research will exert on the research field(s) involved. List succinctly the specific aims of the research proposed, e.g., to test a stated hypothesis, create a novel design, solve a specific problem, challenge an existing paradigm or clinical practice, address a critical barrier to progress in the field, or develop new technology. Include a statement of how the project fits into the broad 'Cell Signaling' scientific theme of INBRE-4. Preliminary data can help to establish the likelihood of success of the proposed project; however, preliminary data is **NOT required** for an application. References Cited (no page limit). Provide full appropriate citations used in the project summary.

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<th>Upload Research Strategy *</th>
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**Appendix**

**Appendix (four page limit) must include:**

1. Letter of agreement, signed by PI's institution administration agreeing to 25% effort required.
2. Summary of PI's record in training undergraduate student researchers.
3. Letter of agreement to participate from the identified Scientific Mentor, if applicable.

<table>
<thead>
<tr>
<th>Letter of Agreement from PI Institution *</th>
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<table>
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<tr>
<th>Summary of PI record with training undergraduates *</th>
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<table>
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<tr>
<th>Letter of Agreement from Mentor (if applicable)</th>
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Detailed Budget - Year 1 only

Detailed budget for Initial Budget Period and detailed justification (up to $50,000) for year one to include:

- Personnel costs (25% effort for the PI. In-kind support allowed.)
- Operating expenses
- Travel
- Equipment
- Appropriate F&A

Other considerations: Since a primary objective of the Pilot Project is to expose students to meritorious research, PIs should include undergraduate and/or graduate students in the proposed research if identified. Indicate aspects of the proposed research in which students will participate. If participating students have not yet been individually identified, the number and academic level of those to be involved should be provided.

To access the forms to complete and upload, click the description below. The form will pop up in a new window.

1. Detailed Year 1 Budget
2. Justification Page
3. Budget Entire Period

Detailed Year 1 Budget
 Detailed budget justification (for year 1 only)
 Budget for entire two year period

Other attachments

Include a signed letter from Authorized Organization Official (Office of Sponsored Programs or equivalent) that states the proposal/budget is approved.

AOR Signed Letter

Include a current NIH Biosketch for the PI. Please highlight any publications authored by undergraduate students.

Directions and a sample form can be found here: https://grants.nih.gov/grants/forms/biosketch.htm

*Please use the "Non-fellowship" version

NIH Biosketch (non-Fellowship)
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Criteria & Review Considerations

Criteria. Only the review criteria described below will be considered in the review process. For this particular announcement, note the following: The objectives of the Pilot Project are to (1) provide support for meritorious research, (2) strengthen the research environment of the institution, and (3) facilitate an NIH grant application. Preliminary data are not required for an application; however, they may be included if available.

Review and Selection Process.

Applications will be evaluated for scientific and technical merit, using the stated review criteria. Applications will compete for available funds with all other recommended applications. Following initial peer review, recommended applications will receive a second level of review by the appropriate Idaho INBRE External Advisory Committee. The following will be considered in making funding decisions:

1. Scientific and technical merit of the proposed project as determined by scientific peer review.
2. Relevance of the proposed project to INBRE-4 parent program priorities.
3. Availability of funds

Other Considerations

Additional Review Considerations will be:

Budget and Period of Support: Reviewers will consider whether the budget and the requested period of support are fully justified and reasonable in relation to the proposed research.

Inclusion of Women, Minorities, and Children: When the proposed project involves clinical research, the committee will evaluate the proposed plans for inclusion of minorities and members of both genders, as well as the inclusion of children. For additional information on review of the Inclusion section, please refer to the Human Subjects Protection and Inclusion Guidelines.

Vertebrate Animals: The committee will evaluate the involvement of live vertebrate animals as part of the scientific assessment according to the following five points: 1) proposed use of the animals, and species, strains, ages, sex, and numbers to be used; 2) justifications for the use of animals and for the appropriateness of the species and numbers proposed; 3) adequacy of veterinary care; 4) procedures for limiting discomfort, distress, pain and injury to that which is unavoidable in the conduct of scientifically sound research including the use of analgesic, anesthetic, and tranquilizing drugs and/or comfortable restraining devices; and 5) methods of euthanasia and reason for selection if not consistent with the AVMA Guidelines on Euthanasia

Biohazards: Reviewers will assess whether materials or procedures proposed are potentially hazardous to research personnel and/or the environment, and if needed, determine whether adequate protection is proposed.

Does this work involve animals, human subjects, and/or biohazards? *

- Yes
- No
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## Investigator Milestones

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<thead>
<tr>
<th>Milestone Productivity Expectations</th>
<th>Pilot Project Investigator</th>
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<tr>
<td>Meetings with Scientific Mentor/Advisor</td>
<td>Monthly, if applicable</td>
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<tr>
<td>Monthly Networking Meetings</td>
<td>Encouraged</td>
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<tr>
<td>Student involvement on project</td>
<td>Yes</td>
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<tr>
<td>Present at a national/international scientific meeting</td>
<td>Annually</td>
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<tr>
<td>Attend Manuscript and/or Grant writing workshop</td>
<td>Encouraged</td>
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<tr>
<td>Submit manuscript in a peer-reviewed journal</td>
<td>Yearly</td>
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<tr>
<td>Have review of NIH R-type grant proposal</td>
<td>Year 2</td>
</tr>
<tr>
<td>Submit NIH R-type proposal</td>
<td>Year 2</td>
</tr>
<tr>
<td>Revise and resubmit to NIH and re-package proposal for other funding sources</td>
<td>Year 2</td>
</tr>
<tr>
<td>Graduate from program</td>
<td>After 2 or 3 years (or acquisition of other funding)</td>
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<tr>
<td>Submit non-competing renewal to SC/EAC for review</td>
<td>Annually</td>
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## Reporting Requirements

Progress reports are due annually.