



FY2009 PROGRAM ANNOUNCEMENT IING.2009.WV.02 and Request for Proposals

WVEPSCOR INTERNATIONAL INNOVATION GRANTS PROGRAM

For the Innovative Improvement of Undergraduate Science, Technology, Engineering and Mathematics (STEM) Education in West Virginia

Proposal Due Date: 30 October 2008

Summary of Program Requirements

- Program Title: Instrumentation Grants
- Program Officer: Jan R. Taylor, Ph.D., Director of Research Programs, Division of Science & Research
West Virginia Higher Education Policy Commission
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Eligibility Limits

- **Organization:** All baccalaureate colleges and universities in West Virginia
- **Principal Investigator (PI) Eligibility:** Tenure-track or research faculty from all four-year institutions. PIs who have received International Innovation awards in the two prior years are only eligible to receive an award in this competition as a supplement to a National Science Foundation (NSF)-funded project.
- **Limit on Number of Proposals:** No college/university may submit more than one proposal/year.

2009

International
Innovation

Award Information

- **Anticipated Type of Award:** Standard
- **Estimated Number of Awards:** 1
- **Limit on funding per award:** \$40,000

Program Description

The purpose of the Division of Science and Research (DSR) International Innovation Grant Program is two-fold: (1) to support the development of an international component in one or more STEM (science, technology, engineering and mathematics) programs at a West Virginia institution; and (2) to encourage STEM faculty and students to think globally about research collaboration, grant opportunities and exchange programs. Rapid changes in technology and globalization are creating extraordinary new opportunities—not only in commerce, culture and education, but also in scientific research. Like Instrumentation Grants, the International Innovation Grants Program makes awards to purchase modern instruments and supplies and conduct minor renovations for advanced undergraduate laboratories. However, the International Innovation Program seeks to target larger, more ambitious, cohesive, and/or more comprehensive innovations in laboratory/classroom settings. DSR has created the International Innovation Grant Program to assist West Virginia faculty and students in seizing these opportunities. One International Innovation Grant of up to \$40,000 will be awarded each year, and a match of at least 50% is required from the home institution of the winning proposal.

Faculty from all four-year institutions, both public and private, are eligible to apply for this grant. Proposals will be considered from any STEM field. **Each institution may submit only one proposal for this grant program.** Investigators who received International Innovation award(s) in the last two years are only eligible to receive an award in this competition as a supplement to an NSF-funded project. DSR provides up to \$40,000 for the International Innovation award. Institutional support of at least 50% is required, making the maximum proposal approximately \$60,000. (*Requests for less than the maximum DSR funds and/or providing an excess in non-DSR match are allowable.*)

Grant funds may be utilized for a variety of innovative purposes and activities including curriculum development, scientific equipment and travel. Cost share may include up to \$10,000 in in-kind match.



2009

International
Innovation**Application**

Proposals must be submitted via the Grant Opportunity (GO!) system. To apply, you must register at <http://www.wvresearch.org/data/go/login.php>. After your registration is approved, you will receive a user name and password by email. When you log on to the system the first time, you will be able to change your password to one of your own choosing. We request that you provide contact data by clicking on the Basic Data tab and demographic data by clicking the Demographics tab. You may also upload or copy and paste your NSF-style or other brief biographical sketch in the tab labeled biographic. These data take the place of the traditional cover sheet.

For all sections of the electronic application where text is required, you may type it in directly or copy/paste from a word processing document. If using Firefox, paste with the keyboard combination Shift+Insert or use the Paste from Word button at the top of the WYSIWYG editor.

Within a tabbed section of the system, a submit button is only present on the first tab. Enter your data for all the tabs, then click the submit button on the first tab. You may edit your submission at any time until the end of the application period. This includes uploaded documents - uploading a new document replaces the previously uploaded document. A PDF help document for the GO! system is available by clicking the Help link at the upper right corner of the page.

Submitting an application: Log in to your account and select Add a New Proposal from the GO! dashboard. Select International Innovation Grants Program from the list of open RFPs. Enter the title of your proposal. Since this grant program limits institutional submissions to one, you should notify your chairman or dean that you intend to submit a proposal. Once the appropriate academic official has approved your submission, check the box that indicates that you have that approval.

Project Summary: Click the Summary tab. Provide a one-page summary of your project.

Project Description: Click the Description tab. Proposals should contain the following information and should not exceed four pages of single-spaced type in a legible font such as 10-point Arial or 12-point Times New Roman (*you may prepare your project description in a word processing document and copy/paste it into the WYSIWYG editor in the GO! system*):

- How will the proposed project enhance the quality and/or capacity of STEM-related research and education at the institution?
- In what ways will the proposed project include a meaningful international dimension to STEM-related research and education at the institution?
- Does the applicant currently engage in STEM-related international collaboration? If so, please describe the nature and duration of this collaboration, and provide the names and contact information of collaborators.
- How many students will benefit from the proposed project, and in what ways?
- How many faculty/researchers will benefit from the proposed project, and in what ways?
- Is the applicant seeking alternative support for the proposed project? If so, from what sources?

Biographical Sketch: A one-page biographical sketch of the Principal Investigator (if you provided the bio when you registered, that is sufficient). If additional investigator(s) or co-PIs will play a significant role in the proposal, you should add them using the drop-down list on the Cover Info page. If the individual is not already listed in the system, add them by clicking on the blue question mark icon beside the Co-PI box, then provide basic information, demographics and biographic information for that person.

Budget Page: Show equipment costs and cost sharing (if applicable). Identify institution or other cost-sharing provided. The budget spreadsheet can be downloaded from the DSR website at <http://www.wvresearch.org/library/files/10046.xls>. When you have completed your budget, upload it to GO! using the upload function on the Budget/Vendor Quote tab. If you need to make changes, upload a new budget sheet which will replace the original upload. You may make changes until the close of the application period. Vendor quotes should be submitted if available and appropriate. If you have multiple vendor quotes, please combine them in one Word or PDF file or zip them into a single file before uploading.

Provide a budget justification not exceeding one page at the end of the Project Description. This is in addition to the 4 page limit of the Project Description.

Budgetary Information

Cost Sharing: Cost sharing of 50% of the proposed DSR contribution is required. An in-kind match of up to \$10,000 is allowed. Show the proposed cost sharing on the budget spreadsheet.

Indirect Cost Limitations: Overhead costs are not allowed.

Other Budgetary Limitations: Grant funds may be utilized for a variety of innovative purposes and activities including curriculum, scientific equipment, and travel. No awards will be made for personal computers that are not linked to or critical to the operation of laboratory equipment.

Due Date: The proposal must be received by **5 p.m., Thursday, 30 October 2008.**

Review and Award Procedures

The primary review criteria will be the extent to which: (a) the proposed project will enhance STEM-related research and education at the institution; and (b) the proposed project includes a substantive and meaningful international component to STEM-related research and education at the institution. Review procedures and panels typically take 6-8 weeks to complete.

Award Administration Information

Notification of awards will be made to the submitting PI and to the submitting institution. PIs whose proposals are declined will be advised as promptly as possible. Copies of review comments, not including the identity of the reviewer, will be provided automatically to the PI.

Reporting Requirements

All recipients of DSR/WVEPSCoR funding are required to provide a written report to DSR within 60 days of the end of the grant period. Recipients are expected to summarize the impact and outcomes of the award, final expenditures, significant insights, numbers of students served, secondary or advanced proposals to other programs such as NSF CCLI or other federal, private, or state programs, and overall success of the award. The report must be filed on the GO! system.

Awardees also may be invited to prepare a poster presentation demonstrating these outcomes at the annual Undergraduate Research Day/state conference. DSR will provide travel funds to the lead investigator and a limited number of students.

Contact Information

For technical assistance or for other questions about GO!, please contact Jonathan Caldwell at jonathan.caldwell@wvresearch.org. For programmatic questions, please use the contact information provided below.

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