



# Innovation Grants Program

For the innovative improvement of undergraduate science, technology, engineering and mathematics (STEM) education in West Virginia

## Program Announcement

WVSR.ING.2023 (replaces WVSR.ING.2022)

## Proposal Deadline

September 30, 2022 by 5 p.m.

### Eligibility

**Organization:** Primarily undergraduate colleges and universities (PUIs) in West Virginia. Faculty from West Virginia University and Marshall University are ineligible; however, proposals will be accepted from branch campuses of these universities.

**Principal Investigator (PI) Eligibility:** Full-time faculty from four-year PUIs in West Virginia. PIs who have received 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 Proposals:** No institution may submit more than one (1) innovation proposal per year.

### Award Information

**Type of Award:** Cost Reimbursable

**Anticipated Award Date:** November 14, 2022

**Award Period:** 12 months

**Estimated Number of Awards:** 2

**Maximum Funding per Award:** \$40,000

**Anticipated Total Funding:** \$80,000

**Cost Share Requirement:** 50%

### Program Description

The Innovation Grants Program is administered by STaR Division: Science, Technology & Research (STaR) at the West Virginia Higher Education Policy Commission (Commission). The purpose of these grants is to encourage undergraduate students in West Virginia to pursue careers in science, math and engineering. The Innovation Grants Program seeks to accomplish this by supporting the purchase of modern instruments and supplies, and provide for minor renovations of advanced undergraduate laboratories. Submission of proposals to the NSF and other award programs, both public and private, utilizing STaR support as a foundation for more advanced or competitive proposals, is encouraged. Curriculum enhancements and innovations in classroom instruction, delivery and pedagogy are central interests of Innovation awards. Equipment and materials purchased should be used primarily for instructional purposes but may also be used to enhance faculty research programs that actively include undergraduates as primary participants.

It is anticipated that an award will be made to one private and one public institution of higher education based upon the quality of proposals received.

Proposals in any STEM field will be considered. No institution may submit more than one proposal in one year. Investigators who received awards in the prior two years are only eligible to receive an award in this competition as a supplement to an NSF-funded project. Investigators who have not received an Innovation award in the last two years may have a direct award of up to \$40,000 from STaR or use the Innovation Grant funds as a supplement to an NSF award. Proposals from Marshall University or West Virginia University main campuses will not be considered; however, proposals from university branch campuses are eligible.

Institutional support of at least 50% is required as a cost share. An in-kind cost share of up to \$10,000 for matching institutional support is allowed.

## Application

Competition for funding from the Research Challenge Fund is strong and STaR receives far more proposals than can be supported. Proposals must be submitted via the Grant Opportunity (GO!) system. Visit [wvresearch.org](http://wvresearch.org) to request an account.

**Project Summary:** Provide a 250 word summary of your project.

**Project Description:** Proposals should contain the following information and should not exceed 800 words

- Current situation in the institution, the students served and the department.
- Plans to seek alternative sources of support for the project. Senior faculty who have not sought NSF support or other educational grants for the project must provide a statement explaining plans to seek support.
- How will this award benefit the professional career growth of the faculty involved?

If instruments are to be purchased, please address the following issues:

- Type of instrument(s) to be purchased; the expected cost of the instrument(s); and the name(s) of the faculty members(s) who will have primary responsibility for the instrument(s) and their experience with similar instrumentation.
- Who will use the instrument(s) and how often.
- What the instrument(s) will enable undergraduate students to do that is not possible without the instrument(s).
- Number of students who will benefit from the purchase of the instrument(s).
- Whether special facilities (i.e., extra electrical power outlets, air conditioned rooms, structural supports) will be needed to make full use of the instrument(s) and, if so, whether such facilities are currently available or attainable.
- Whether other equipment will be needed to make full use of the instrument(s) and, if so, whether such equipment is currently available, or how it will be obtained.
- In academic courses, how will the instrument(s) be integrated into the curriculum and (in a brief statement) what are the anticipated benefits.
- If the instrument(s) are to be used for research, what is the designated project, role of the undergraduate(s), and the long-term benefits of the project.

**Budget:** Show equipment costs and cost sharing from the institution (if applicable). Identify institution or other cost

sharing provided (cost sharing is not required). A budget spreadsheet template can be downloaded from the GO! until the close of the application period.

Vendor quotes should be submitted if available. If you have multiple vendor quotes, please combine them into one Word or PDF file or zip them into a single file before uploading.

**Cost Sharing:** 50% cost sharing is required.

**Indirect Cost Limitations:** Overhead costs are not allowed.

**Other Budgetary Limitations:** Grants may be used only to purchase scientific instruments, equipment, minor renovations, and material supplies or for curriculum development. No funds are to be used for operating expenses, personnel or service contracts. No awards will be made for teaching aids such as slide projectors or computer software. No awards will be made for personal computers that are not linked to or critical to the operation of laboratory equipment.

## Review and Award Procedures

The primary selection criteria will be the extent to which the instrument(s), materials and proposed modifications will improve undergraduate STEM education in West Virginia by providing an innovative approach that will encourage more students to undertake careers in science, technology, engineering and math. Plans to obtain alternative sources of support for the project will also weigh in the evaluation of the proposal. Review procedures and panels typically take 4-6 weeks to complete.

Notification of awards will be made to the submitting PI and submitting organization. PIs whose proposals are declined will be advised as promptly as possible. Copies of review comments may be requested by the Principal Investigator.

## Reporting Requirements

All recipients of STaR funding are required to provide a written report to STaR after 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 other federal, private, or state programs, and overall success of the award. The report is due 60 days after the grant ending date and must be filed using the GO! system reporting function. All requests for extensions must be submitted via a grant modification form found under the Resources tab on our website.

*For questions, please contact the program officer:*

### **Dr. Juliana Serafin, Senior Director**

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