# Collaborative Research Grant Project Proposal

## Project Summary

### Proposed Project Title

### Research team

**Principle Investigator**: Name, rank, Department

*Primary investigators need to be full-time faculty (e.g., tenured, tenure-track, collegiate faculty, professor of practice, etc.)*

**Collaborators**:

*University Employees of any rank can be collaborators on the grant as well as undergraduate and graduate student employees. Please include ALL collaborators, both from VT and from partner Institution(s)*

* Name, rank, *department, Institution*

## Work to be Done

*In 2 to 3 sentences, describe the work the researchers will be doing for this project in layperson's terms.*

### Alignment to 4-VA

*Please explicitly describe how the proposal meets the four goals of 4-VA:*

1. *Increases opportunities and enhance the success rate of students in science, technology, engineering, and mathematics (STEM) courses and programs*
2. *Defines instructional models, including related instructional costs and benefits*
3. *Expands access for all Virginians to programs, preparing them for rewarding careers*
4. *Increases research competitiveness.*

*Strong proposals should clearly connect their proposal to* ***at least 2*** *of the 4-VA goals.*

### Alignment to Virginia Tech Strategic Initiatives

*Please explicitly describe any connection(s) the proposal has to existing initiatives at Virginia Tech such as Beyond Boundaries, Strategic Growth Areas, and Destination Areas.*

## Project Activities

### Background

*Describe background of the proposal including the need for and/or merit of the research. Reference to prior work as needed.*

### Methodology

*Describe the exploration methodology including: research question(s), hypotheses, variables of interest, control variables (if appropriate), proposed data collection instruments, etc.*

### Anticipated Outcomes

*Describe anticipated outcomes and impact to the institution.*

### Benefits of 4-VA Partnership

*Please give a detailed explanation of how collaborating with a researcher at another 4-VA institution is critical to the overall success of the proposal. NOTE: To be eligible for funding, proposals must include a co-PI at another 4-VA institution. The co-PI of successful applications will be funded by 4-VA funds at the partner institution and do not require an additional proposal.*

### Dissemination plan

*Active dissemination is expected to be a major project component. Strong proposals should have a well-defined dissemination plan for the 4-VA community that includes ongoing project updates and dissemination of findings (e.g., via a broadly accessible online media platform) and broader higher education community. A bullet point list is acceptable.*

### Project Management and Projected Timeline

*Project Management should include the task description, timeline and the roles of each team member. Please note that both the PI and co-PI will be responsible for fulfilling the assessment requirements of their host institution. VT PIs are expected to complete a mid-term and final assessment survey as well as participate in 1 showcase event.*

*Add/delete rows as needed.*

| Description of task | Time frame | Team member involvement |
| --- | --- | --- |
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|  |  |  |

# Budget

* Please provide as a detailed as possible a budget breakdown [**including fringes for salaries**](https://www.controller.vt.edu/content/dam/controller_vt_edu/resources/costaccounting/fringeratecomponents/Fringe%20Rate%20Components%20FY2019.pdf)
* Please note that 4-VA funds **CANNOT** be used to pay student tuition. However, they can be used to pay stipends of graduate students who are already on an assistantship, or wages for graduate/undergraduate students involved in the proposed project.

Table 1. Budget requested at Virginia Tech

|  |  |  |
| --- | --- | --- |
| **Category** | **Amount** | **Justification** |
| Salaries |  |  |
| PI Salary |  |  |
| PI Fringes |  |  |
| Graduate Student Wages/Stipend |  |  |
| Undergraduate wages |  |  |
| Undergraduate fringes |  |  |
| Materials |  |  |
| Travel |  |  |
| Publication Costs |  |  |
| Etc. |  |  |
| **Total** |  |  |

Table 2, 3, 4... Budget requested at Partner Institution(s)

*Amounts requested in this section are for expenditures at partner institutions where they are requested, and are* ***in addition to*** *the amount requested in Table 1. Depending on their budget availability, each partner institution may provide up to $5,000.00 for this project.*

*Please duplicate this table as needed and use a separate table for each partner institution.*

|  |  |  |
| --- | --- | --- |
| **Partner Institution** |  | |
| **Category** | **Amount** | **Justification** |
| Salaries |  |  |
| PI Salary |  |  |
| PI Fringes |  |  |
| Graduate Student Wages/Stipend |  |  |
| Undergraduate wages |  |  |
| Undergraduate fringes |  |  |
| Materials |  |  |
| Travel |  |  |
| Publication Costs |  |  |
| Etc. |  |  |
| **Total** |  |  |

### Additional Sources of Funding

*If applicable, please list additional sources of funding including any other VT grant resources, start-up funds, external funds, etc.*

# Proof of Certification

*Research involving human subjects, animals or Biosafety must have proper certifications before funds are released. Please identify what protocols your proposal requires, if any, and include reference numbers if certification has already been obtained.*

* Use the IRB [review flowchar](http://www.irb.vt.edu/documents/Activities%20Requiring%20Approval.pdf)t to determine the need for IRB approval
* Refer to [VT’s Institutional Animal Care and Use Committee](https://www.research.vt.edu/iacuc.html) (IACUC) for research involving animals
* Refer to [Institutional Biosafety Committee](file:///Volumes/GoogleDrive/My%20Drive/Virginia%20Tech%204-VA%20/2019-2020%20Cycle/2019%20Collaborative%20Research/Institutional%20Biosafety%20Committee) (IBC) for research involving biohazards

# References (if applicable)