

GROUPS SCHOLARS PROGRAM

2023 CALL FOR SUMMER RESEARCH PROJECT PROPOSALS

The Groups Scholars Program STEM Initiative invites Faculty, Postdoctoral researchers, and PhD candidates to mentor students during the Groups Summer Research Experience Program (SREP). Program dates are June 12 - July 28, 2023. First call project proposals due by March 3, 2023.

PROGRAM DETAILS

Groups Summer Research Experience Program -

<https://groupsscholars.indiana.edu/resources/stem/summer-research.html>

The purpose of the program is to train first-generation, underrepresented minority students, as well as students with limited financial resources from all racial backgrounds, in scholarly research. The program also serves to enhance student learning, promote a culture of research, and foster collaboration between researchers (faculty, graduate students, etc.) and students. Up to twenty incoming freshmen who have been accepted in the Groups Scholars Program and meet the criteria for selection in the STEM SREP (a declared STEM major or interest, 3.0 or higher GPA, and A's and B's in science and math courses) have been chosen as research scholars.

Eligibility

All full and part-time faculty members, researchers, or graduate students at Indiana University who are actively engaged in research are eligible. Individual faculty members are encouraged to include at least one research group member (current postdocs, graduate and/or undergraduate researchers) in some capacity. For example, in the past, graduate students have supported STEM Scholars with troubleshooting for their research projects. Individuals with experience mentoring undergraduates and underrepresented minorities in STEM (women, students of color, first-generation, disability, etc.) are strongly encouraged to apply.

Funding

Each mentor will receive \$1,000.00 supplemental funds to go towards the cost of lab materials/fees that the scholar might incur as a member of the lab. Mentors will be expected to provide a departmental account to which the stipend will be transferred by the second week in August. The Groups Scholars fiscal manager might request a summary of expenses at the conclusion of the summer program.

Program Components:

- Student will be enrolled in Educ-L 490 Groups STEM Seminar.
- Student will be expected to engage in five weeks (15-18 hours per week) of weekly research activities as determined by the project supervisor.
- Students will present their research in a poster symposium at the conclusion of the summer program.

PROPOSAL GUIDELINES

SREP proposals are expected to support student learning and development through guided research experiences and projects that include research design, research methods, data collection, analysis, and presentation. Proposals are welcome from all life and physical sciences, computing and informatics, psychology and neuroscience, and health-related disciplines. Proposals are encouraged from individuals or from research teams.

Proposals that have one or more of the following characteristics will receive priority consideration:

1. Student participation in the development of a research plan and timeline.
2. Student participation in data collection and analysis.
3. Guidance on presenting scientific work.
4. Support of the development of practical research skills and instrumentation.

Proposals that have the following characteristics are discouraged:

1. Proposals that exclusively focus on administrative and/or laboratory maintenance duties (e.g. filing paperwork, preparing gels, etc.) are **discouraged**. While these tasks may be important in the day-to-day operations of the lab, and may train the students in common laboratory work, the focus of the Groups SREP is for STEM Scholars to gain a holistic research experience.

APPLICATION and PROGRAM IMPLEMENTATION TIMELINE

Proposals include work conducted in the assigned time period and may not include work performed during the semester. In all cases, the proposals must be approved no later than May 31.

January 30	Call for project proposals opens	June 20	First day of research
March 3	Project proposal deadline	July 6	Ignite Presentations
May 26	Notification of Final Decision	July 25	Last day of research
June 8	Mentor orientation	July 27	Poster Symposium
June 15	Student orientation	July 28	Faculty and student evaluations due

RESEARCH PROPOSAL SELECTION PROCESS

Two Proposal/Selection Periods

1st Call for Proposals — Winter:

Submission period: January 30 to March 3

- Selection period: March 3 – March 17
- Notification Period: Recipients will be notified on or about March 31.

2nd Call for Proposals — Spring:

Submission period: March 31 to May 12

- Selection period: May 12 - May 30
- Notification Period: Recipients will be notified on or about May 31.

PROPOSAL APPLICATION

Adapted from Minnesota State Colleges and Universities Proposal Template

Submitting Proposal: Please save your proposal as a PDF or Word document. Upload via Microsoft Forms: [Groups STEM SREP Project Proposal Submission](#). **Note:** Must log in with @iu.edu credentials.

Include:

- Cover sheet
- Project narrative
- Budget summary

Groups SREP Research Proposal Cover Sheet

Primary Mentor Contact Information

Name:
Title/Position:
Department:
Address:
City, State, Zip:
Phone:
Fax:
E-mail:

Supervising Faculty Contact Info (if applicable)

Contact Name:
Title/Position:
Department:
Address:
City, State, Zip:
Phone:
Fax:
E-mail:

Project Information

Title of the Project: _____

Signatures

Based on the criteria for eligibility in the Groups SREP Research Proposal Guidelines, I am eligible to apply. I understand and agree that I or the appointed mentor will be expected to attend Groups SREP-related activities including, but not limited to Groups Campus Visit, Mentor orientation, and the SREP poster symposium. I understand and agree that a written final evaluation is due at the conclusion of the SREP.

Applicant Printed Name	Applicant Signature	Date
Supervising Administrator Printed Name <i>(if applicable)</i>	Supervising Administrator Signature <i>(if applicable)</i>	Date

PROJECT NARRATIVE - All applications must follow the format below.

Proposal Section	Proposal should address:	Suggested Length
<i>Project Description and Rationale</i>	<i>What issue or problem is being addressed? What is the significance of the project? What are your goals and methods? How does the project fit into your current research? What are the conditions or contexts in which the project will be taking place, i.e. who will be the immediate supervisor of the project and how will the SREP student fit with the research group?</i>	<i>[1 PARAGRAPH]</i>
<i>Timeline of Activities</i>	<i>When are activities planned? Can the project be completed within the proposed timeframe?</i>	<i>[1 PARAGRAPH]</i>
<i>Student Learning Outcomes</i>	<i>What specific outcomes do you want to achieve? How will your planned activities achieve these outcomes? How will your plan promote excellence in student learning? What kinds of hurdles or limitations do you expect to encounter? How would you address them?</i>	<i>[1 PARAGRAPH]</i>
<i>Evaluation plan</i>	<i>How will you know that you have achieved your outcomes?</i>	<i>[1 PARAGRAPH]</i>
Total	<i>Successful proposals generally range from 1 to 2 pages in length.</i>	

BUDGET SUMMARY

How might the \$1000.00 supplemental funds be used to support the student? Please use the table below to organize your proposal’s budget information, or create your own grid using the budget categories below.

Budget Summary

Budget Category	Brief Description	Total Budget
Equipment		
Materials/Supplies		
Other		
TOTAL		