



Graduate Student Interdisciplinary Research

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Interdisciplinary Research

- Many contemporary challenges are resistant to solutions derived from a single disciplinary stance
- Frequently, their multidimensional nature requires equally multidimensional solutions
- A team of experts with deep, but narrow, knowledge can approach problems from a more general stance when their knowledge is pooled



Interdisciplinary Research



Interdisciplinary research teams are increasingly common



Incorporates information, data, techniques, tools, perspectives, concepts and/or theories from two or more disciplines or bodies of specialized knowledge” (National Academy of Sciences, 2005, p. 188).



This research enhances viability of solutions, broadens researcher’s expertise, reduces biases, and has the potential to create new subfields and forms of knowledge

Doing Research

- Most research you will do as a graduate student follows the interests of, and relies on the funding from, your advisor's activities
- Only full faculty members may be a principal investigator (PI), which is necessary for initiating research
- It can be very difficult to get funding for even very well-justified and designed interdisciplinary research because it requires broad knowledge to evaluate interdisciplinary proposals





GSIRI's Function

- GSIRI places the direction and nature of the research, and funding for it, into the hands of graduate students
- \$10,000 in funding available
- Research can follow any direction of interest in EHE
- More interdisciplinary approaches and more impactful or innovative research will be prioritized

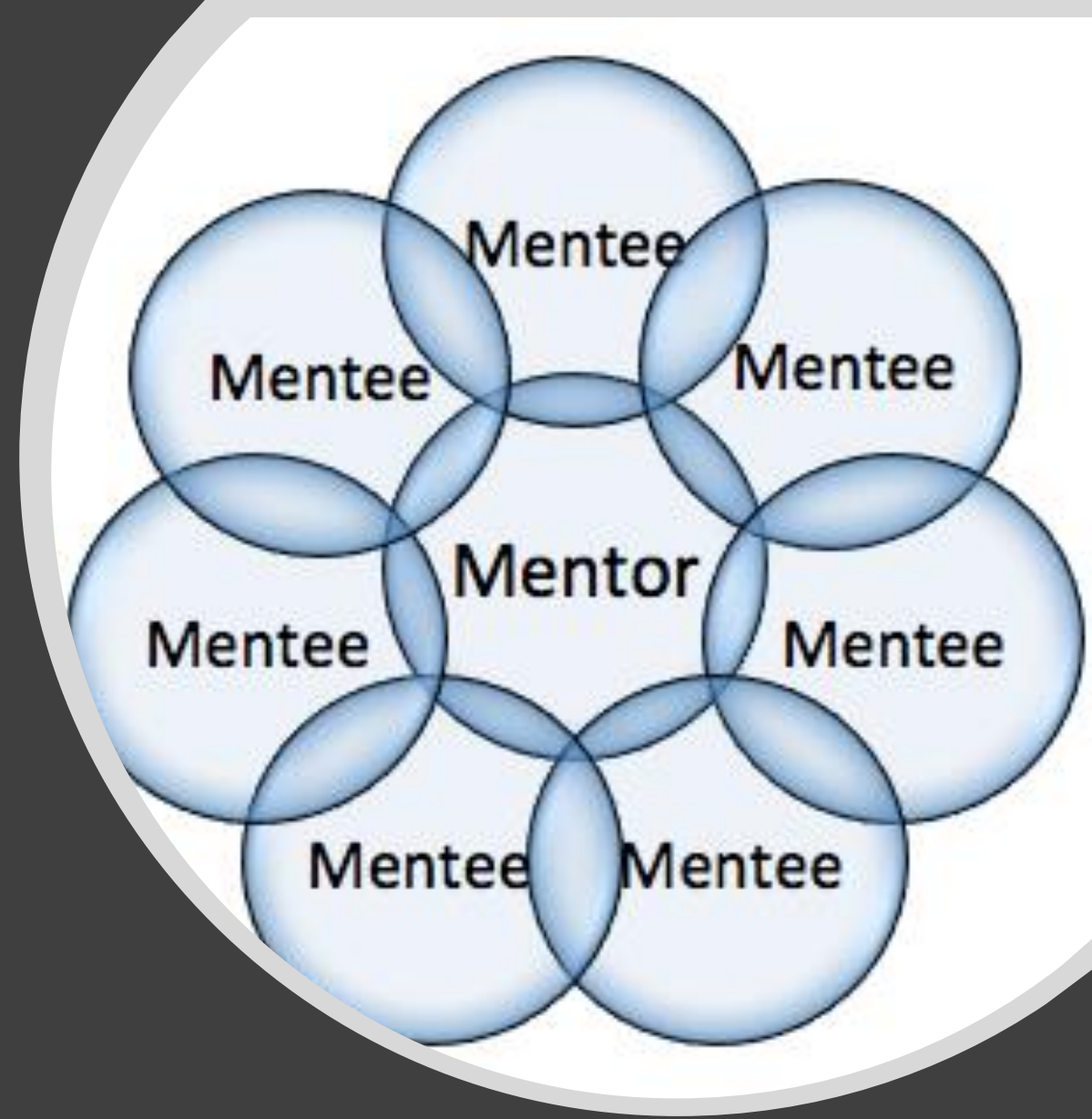
Research Ideas

- If you have an interdisciplinary research idea, you can post your abstract and a call for collaborators to the GSIRI website.
- Team leaders post detailed descriptions of the positions open on their team and the skills needed to fill each role
- These roles should change as the diversity of your team increases and you realize your project would benefit from other methodologies or perspectives
- Anyone can examine the posted research ideas and contact team leaders if they are interested in joining the research teams

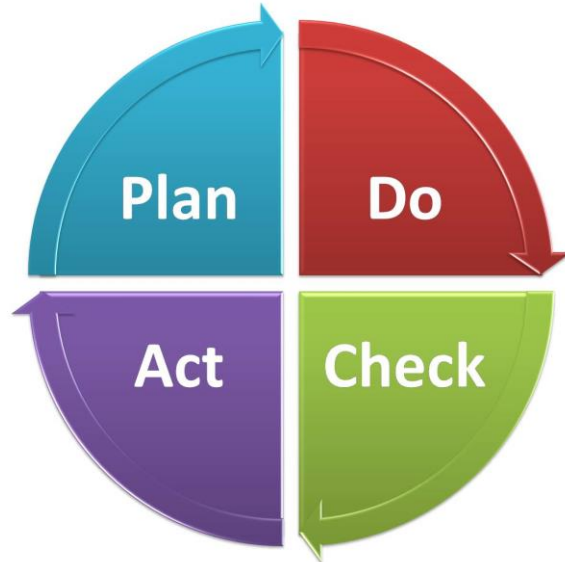


Research Teams and Faculty

- Research teams will be populated by at least 2 graduate students from different disciplines, but must also have a faculty sponsor
- This sponsor will act as a principle investigator (PI)
- In conjunction with ORIC faculty and staff, they will guide the team through the details of doing research, like creating budgets and distribution guidelines



Proposal Submission



- ▶ Once the team is fully assembled and a faculty PI is found, you must submit a final proposal
- ▶ Details are on the GSIRI website, but sections include
 - ▶ Specific Aims
 - ▶ Approach
 - ▶ Interdisciplinary Nature
 - ▶ Communication Plan
 - ▶ Researcher Role
 - ▶ Project Timeline
 - ▶ Proposed Budget

Budget Section

Allowable Costs

- Participation incentives
- Travel to and lodging at research sites in the continental US
- Data analysis software
- Transcription services

Disallowable Costs

- Personnel costs (except those explicitly designated as allowable)
- Faculty salaries
- Graduate student stipends

Proposal Review and Selection



The GSIRI Review Committee is composed of current EHE graduate students and faculty



They will review all the submissions and select the proposal(s) that score highest according to their rubric



Rubrics and detailed scoring procedures are available online



Proposals will be awarded up to \$10,000



Research must be completed within one year



Research Distribution

- Funded researchers agree to distribute their findings in several avenues
 - The annual EHE Research Forum
 - Several blog posts from team members describing their experiences
 - A final report to the GSIRI Review Committee
- Other avenues, like professional journals and conferences, are not required, but are highly encouraged



Deadlines

- Research idea/team posting due by September 16th, 2019
- Full proposals are due October 1st, 2019
- Selection and funding will be announced October 16th, 2019
- Research period begins October 17th, 2019 and ends October 16th, 2020



Questions?

<http://go.osu.edu/GSIRI>