

Karen Marrongelle

Associate Professor, Department of Mathematics & Statistics



Karen Marrongelle

Program Director

Division of Research on Learning in
Formal and Informal Settings
National Science Foundation



What NSF funds

- Research
- Curriculum development
- Professional development
- Undergraduate student recruitment and retention
- Graduate fellowships



NSF-wide Emphasis Areas

- International Polar Year
- Cyberinfrastructure
- Human and Social Dynamics
- Cyber-enabled Discovery and Innovation
- National Nanotechnology Initiative
- Climate Change Science Program

http://www.nsf.gov/news/priority_areas/



Directorate for Education and Human Resources (EHR)

- Division of Research on Learning in Formal and Informal Settings (DRL)
- Division of Undergraduate Education (DUE)
- Division of Graduate Education (DGE)
- Division of Human Resource Development (HRD)



NSF Directorate for Education and Human Resources (EHR): Themes

- Broadening Participation to Improve Workforce Development
- Enriching the Education of STEM Teachers
- Promoting Learning Through Research and Evaluation
- Furthering Public Understanding of Science and Advancing STEM Literacy
- Transforming STEM Education through Cyber-enabled Learning Strategies



Some Examples

- If you are a STEM education researcher, consider the REESE or DRK-12 programs (DRL).
- If you want to attract and/or retain mathematics majors, consider the S-STEM or STEP programs (DUE).



Examples (cont.)

- If you work with K-12 schools, consider the MSP program (DUE).
- If you are designing innovative curriculum, consider the CCLI program (DUE).
- If you work at and want to increase participation in mathematics at a Historically Black College/Univ. or a Tribal College/Univ., consider the HBCU-UP or TCUP programs (HRD).



Get to know the funding opportunities at the NSF

- Visit the NSF website often (www.nsf.gov)
- Sign up for the electronic daily digest from NSF Updates
- Participate in outreach events (webinars, local conferences, etc.)
- Talk to a program director about reviewing proposals on a panel



- Read the Grant Proposal Guide
- Attend grant-writing workshops
- Find a colleague or mentor who has had a proposal successfully funded

