CHIPS and Science Authorizations: Congress Must Fund the Future of Science

NSF FY 2023 Budget Authorization

Research and Related Activities: $9.1B
- Directorate for Technology, Innovation, and Partnerships (TIP)
- Funding for cutting-edge, critical research in biology, health, and other life sciences

STEM Education: $2.0B
- Reinvestment in Graduate Research Fellowship Program
- Funding awards for undergraduate, graduate, and postdoctoral training programs

Building Diversity in STEM*: $0.9B
- NSF Chief Diversity Officer
- Building research capacity at HBCUs and MSIs
- Fostering diversity in STEM undergraduates, research trainees, and research faculty

*Program provisions distributed between Research and STEM Education budget authorizations

TOTAL $11.9B
76%
16%
8%

Combatting Sexual Harassment in Science

$33M**

- National Academies assessment of influence of sexual harassment in higher education
- Research on sexual harassment in higher education
- Responsible Conduct Guide with practices to prevent and mitigate the impact of sexual harassment
- Full inventory of federal research agency policies on sexual harassment

**One time authorization
**Funding and Awards**

- **40% Increase in NSF GRFP Funding**
  - 3000+ annual fellows
  - $37k annual stipend
  - $16k annual education allowances

- **Graduate Education Research Awards**
  - Mentorship program effects on degree conferral
  - Mental health of graduate students
  - Professional development program outcomes
  - Implementation of innovative programs

**Policy and Governance**

- **Required Mentorship Plans**
  - Mentorship plans are now required for all NSF grants supporting graduate students and postdoctoral trainees

- **Required Professional Development**
  - Individual Development Plans are now required annually for all NSF grants supporting graduate students and postdoctoral fellows

**Combatting Sexual Harassment in Science**

- **Funding for Sexual Harassment Research**
  - Intervention and mitigation policy development
  - Remediation programs for harmed parties
  - Power structure alternatives
  - Best practices policy implementation

- **Guides and Assessments**
  - Update to 2018 NASEM Sexual Harassment Report
  - NASEM Responsible Conduct Guide update
  - Analysis of federal research agency policy effectiveness and needed revisions

**Assessment of NSF Workforce Development Programs**

- Independent study on the impact of NSF graduate student financial support on differential student outcomes
- Full portfolio analysis of NSF’s technical workforce investments, including surveys on working conditions, work-life balance, harassment, and discrimination