



FASEB

Federation of American Societies
for Experimental Biology

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

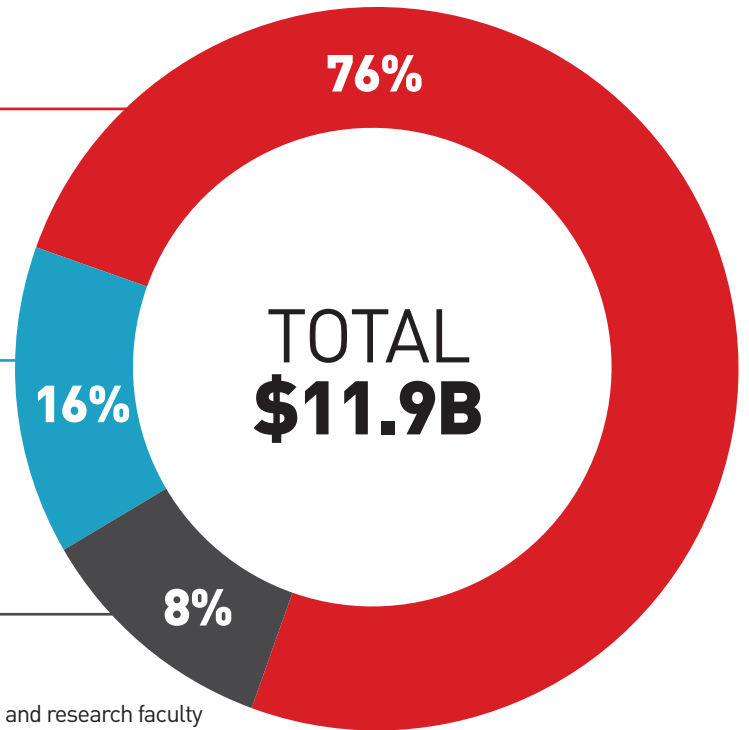
STEM Education: \$2.0B

- 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*



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

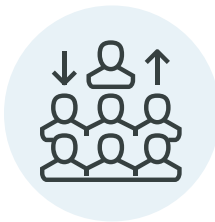
- 3000+ annual fellows
- \$37k annual stipend
- \$16k annual education allowances



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

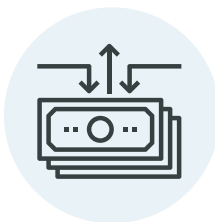
- **Mentorship plans** are now required for all NSF grants supporting graduate students and postdoctoral trainees



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**