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- Keyword
- Directorate and/or Division
- Broadening Participation Focus
- Education Level
- Submission Limits
- Award Type



Start looking for funding opportunities:

<https://beta.nsf.gov/funding/opportunities>



National Science Foundation
WHERE DISCOVERIES BEGIN

Directorate for Biological Sciences (BIO)

Research and researchers supported by BIO advance the frontiers of biological knowledge and provides a theoretical basis for prediction within complex, dynamic living systems through an integration of scientific disciplines.



Learn more
about BIO



Find BIO funding
opportunities



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Division of Biological Infrastructure (DBI)

DBI invests in the innovation and capacity-building of cutting-edge research infrastructure for fundamental biological science that includes human capital, technologies, institutes and centers, and mid-to-large scale facilities.



Learn more
about DBI



Find DBI funding
opportunities



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Division of Environmental Biology (DEB)

DEB supports research and training on evolutionary and ecological processes acting at the level of populations, species, communities, and ecosystems.



Learn more
about DEB



Find DEB funding
opportunities



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Division of Integrative Organismal Systems (IOS)

IOS supports research aimed at improving our understanding of organisms as integrated units of biological organization.

Focus areas include behavioral systems, developmental systems, neural systems, physiological and structural systems, and plant genome research.



Learn more
about IOS



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opportunities



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Division of Molecular and Cellular Biosciences (MCB)

MCB supports fundamental research at the intersection of disciplines to uncover the emergent properties of complex living systems across the molecular, subcellular and cellular scale.

Focus areas include cellular dynamics, genetic mechanisms, molecular biophysics, and systems and synthetic biology.



Learn more
about MCB



Find MCB funding
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Get NSF News

Sign-up for emails on:

- New solicitations
- Events
- Upcoming due dates

You can also sign-up for newsletters sent by NSF Directorates including information on new priorities and solicitations, highlights from the community, and more!



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NSF101 collaborates with program staff across the agency to provide clear, basic instructions to applicants who might be new to applying for NSF funding to improve accessibility and demystify the NSF experience.



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Be a Part of NSF

Learn about becoming an NSF Reviewer or Rotating Program Officer

NSF Reviewers

Provide helpful advice on the merits of proposals and constructive comments to proposers.

Learn about:

- Peer review process
- Common problems with proposals
- Strategies to write strong proposals

Send an e-mail to the PO of the program(s) that fits your expertise

- Introduce yourself and identify your areas of expertise
- It is most helpful if you also attach a 2-page CV

Rotator Programs

50% of NSF Program Directors are temporary program directors (rotators) from academia, national labs, etc.

- Influence new directions in the fields of science, engineering, and education
- Support cutting-edge interdisciplinary research and mentor junior research members
- Collaborate with others and increase your visibility
- Retain your ties to your current institution and return to it with new insights and experience for your team

<https://beta.nsf.gov/careers/rotator-programs>



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Biotechnology to Advance the Bioeconomy

NSF supports biotechnology research at all biological scales -- from molecular to organismal, evolutionary, ecosystem, and biome -- and across all scientific disciplines through its core programs across all the directorates and through integrative activities and interdisciplinary partnerships



Learn more about NSF programs that support biotechnology research



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Research on Emerging Infectious Diseases

NSF supports emerging infectious disease research through core programs across the agency .

Special solicitations are typically aimed at larger, more interdisciplinary, and integrative projects that go beyond the scope of what a single research program can accomplish.

NSF also emphasizes support for the training of the next generation of STEM workers.



Learn more about NSF programs that support research on emerging infectious diseases



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Life on a Warming Planet

NSF supports disciplinary and interdisciplinary research, training, and enabling infrastructure across diverse scientific disciplines to study the complex responses of life on a warming planet.

This includes foundational studies of living systems' response to climate change and development of new data analytic and modeling tools, observing systems and other infrastructure.

Outcomes from this research informs approaches for the management of natural and human-managed ecosystems that provide food, fiber and clear water.




Learn more about NSF programs that support research on life on a warming planet



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Support for Biological Research Infrastructure

NSF provides support for the tools and technologies needed to conduct cutting-edge biological research at all stages of the infrastructure lifecycle from conception and design, to scale up and broader use, to sustainability and a transition to reducing reliance on direct federal support.

Innovation	Capacity	Sustaining
<i>Bioinformatics</i>	<i>Cyberinfrastructure</i>	
<i>Research Methods</i>	<i>Field Stations & Marine Labs</i>	
<i>Instrumentation</i>	<i>Collections</i>	
Infrastructure Lifecycle 		



Learn more about the
Innovation, Capacity,
and Sustaining
Programs



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NSF Support Across Your Career

Academic career pathways aren't always simple and linear, but have on- and off-ramps, pivots, and different barriers for different people.

To ensure a diverse STEM workforce in academia and beyond, NSF supports **students** and **educators** at career transition points across diverse institution types.

Pre-K to 12	Research Assistantships for High School Students (RAHSS)	Research Experiences for Teachers Sites in the Biological Sciences (BIO-RETS)	
Undergrad	Research Experiences for Undergraduates Sites (REU Sites) and Supplemental Awards	Research Coordination Networks in Undergraduate Biology Education (RCN-UBE)	Research in Undergraduate Institutions (RUI) and Research Opportunity Awards (ROA)
Postbacc	Research and Mentoring for Postbaccalaureates (RaMP) in Biological Sciences		
Grad	Graduate Research Fellowship Program (GRFP)		
Postdoc	Postdoctoral Research Fellowships in Biology (PRFB)		
Early Career Faculty	Building Research Capacity of New Faculty in Biology (BRC-BIO)	Faculty Early Career Development Program (CAREER)	
Mid-Career Faculty	Mid-Career Advancement (MCA) Program	Transitions to Excellence in Molecular and Cellular Biosciences Research (Transitions)	

Learn more at [nsf.gov](https://www.nsf.gov)



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Research Experiences for Undergraduates (REU)

NSF funds research opportunities for undergraduate students through REU Sites, groups of ten or so undergraduates who work on a specific research project closely with faculty and other researchers from a host institution.

Students are granted stipends and, in many cases, assistance with housing and travel.



Learn more about
the REU Program



Find an REU Site and
Apply



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Research Coordination Networks in Undergraduate Biology Education (RCN-UBE)

NSF/BIO's RCN-UBE program seeks to improve undergrad education by leveraging the power of a collaborative network recognizing that new educational materials and pedagogies can simultaneously teach biological concepts while creating a supportive and engaging learning environment for all.

Themes can be on any topic related to undergraduate biology education and proposals that include individuals from groups historically under-represented in biological research and education as members of the steering committee are encouraged.



Scan the QR code to learn more about the RCN-UBE Program or contact a program director (Mary Crowe mcrowe@nsf.gov or Amanda Simcox asimcox@nsf.gov)



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NSF Graduate Research Fellowship Program (GRFP)

GRFP recognizes and supports outstanding graduate students who have demonstrated the potential to be high achieving scientists and engineers, early in their careers. Applicants must be pursuing full-time research-based master's and doctoral degrees in STEM or in STEM education at accredited U.S. institutions.



Learn more about GRFP



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Postdoctoral Research Fellowships in Biology (PRFB)

NSF/BIO supports postdoctoral research fellows in three areas:

1. Broadening Participation
2. Integrative Research Investigating the Rules of Life
3. Plant Genome Postdoctoral Research Fellowships

These fellowships help awardees establish themselves as independent researchers and begin a career in biological research.

Applicants must:

- Be U.S. citizens or permanent residents
- Enrolled as a graduate student or in a position requiring a PhD for no more than 15 months
- Select sponsoring scientists that offer an opportunity to significantly broaden the applicants research focus and training
- Present a research plan within the purview of NSF/BIO



Scan the QR code to learn more about the PRFB Program or contact program directors:

Area 1 or 2: bio-dbi-prfb@nsf.gov

Area 3: dbipgr@nsf.gov



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Building Research Capacity of New Faculty in Biology (BRC-BIO)

As part of NSF/BIO's efforts to broaden, strengthen, and diversify the STEM workforce, the BRC-BIO program supports pre-tenure faculty in the biological sciences at institutions that are not among the nation's most research intensive (including PUIs, some MSIs, and other institutions classified as R2, D/PU, or M1-3).

PIs must be at the Assistant Professor rank (or equivalent) with service for no more than 3 years by proposal submission date and have both research *and* educational responsibilities.



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NSF CAREER Program

NSF's Faculty Early Career Development Program (CAREER) supports early-career faculty who have the potential to serve as academic role models in research and education and to lead advances in the mission of their department or organization.



Learn more about the CAREER Program



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Mid-Career Advancement Program (MCA)

By providing protected time and resources for individuals at the Associate Professor rank (or equivalent)* to work with a partner, MCA ensures scientists and engineers remain engaged and active in cutting-edge research at a critical career stage replete with constraints on time that can impinge on research productivity, retention, and career advancement.

**Eligibility is extended to Full Professors only at Primarily Undergraduate Institutions working in the biological sciences or geosciences.*



Learn more about the MCA Program



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