Division of Environmental Biology Virtual Office Hour

Primarily Undergraduate Institutions: Opportunities at NSF

Please submit questions via the Q&A button available to you on Zoom.
Please set to "Send anonymously"

Welcome!
Division of Environmental Biology

NSF staff in attendance today:

- Jeremy Wojdak (host) – Population and Community Ecology
- Shannon Fehlberg – Systematics and Biodiversity Science
- Judy Stone – Evolutionary Processes
- Catherine O' Reilly – Ecosystem Science

Facilitators – Megan Lewis, Christina Washington, and Bill Lawson

DEB Virtual Office Hour

DEB Office Hours: second Monday of each month, 1-2pm Eastern

Upcoming Topics:

May 8:	CAREER Solicitation (NSF 22-586)
June 7* 2-3pm:	MCB's Let's Talk Broader Impacts
July:	No Virtual Office Hour
August 14:	Partnerships to Advance Conservation Science and Practice (PACSP)

*indicates time and date change

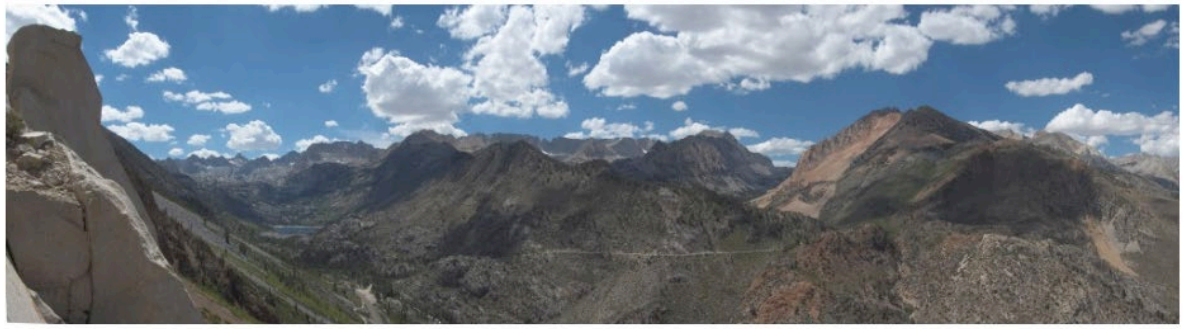
DEB Blog posts upcoming topics, registration, and recap posts

https://debblog.nsfbio.com/office-hours/

DEBrief

Blog of the Division of Environmental Biology, NSF

Home | DEB Resources and Links | Office Hours | About | Blog Policies



Office Hours

Join us the **second Monday of each month from 1pm-2pm Eastern Time** for the Division of Environmental Biology's (DEB) Virtual Office Hours. Representatives from each of the four clusters will be available to discuss specific programs and funding opportunities. There will then be an open question and answer period – questions can be on any NSF or DEB topic.

Join us remotely and bring your questions! Please use the registration link below to set up your

NOVEMBER 16, 2021 BY DEB SCIENCE STAFF

11/8/21 Virtual Office Hours Recap – Biodiversity on a Changing Planet

The Division of Environmental Biology (DEB) held its latest Virtual Office Hour on November 8, 2021. We host these office hours 1-2pm EST on the 2nd Monday of every month. There is a designated theme each time, but attendees are welcome to ask about other NSF-related topics. Program Officers provided an introduction to the new solicitation, Biodiversity on a Changing Planet (BoCP, NSF 22-508).The presentation and other documents are available here:

Slides (PDF)

PAPPG 22-1

If you were unable to attend, here are some of the questions asked during the Q & A section:

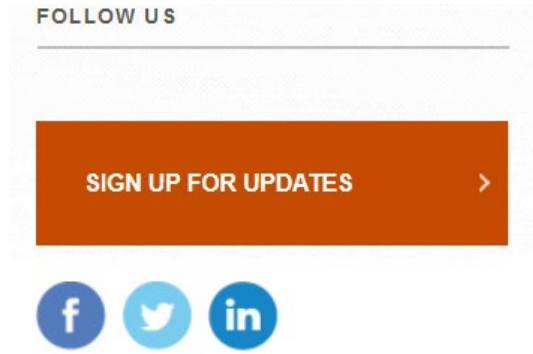
Q: Will proposals for the Implementation Track for BoCP be competitive if they are proposed by entirely new teams rather than previously established collaborations?

A: Competitiveness is about the quality of the proposal, as defined by the merit review

BIO Newsletter

Quarterly updates on new priorities and solicitations, highlights from the community, and more!

Visit www.nsf.gov



Volunteer to review:

https://www.surveymonkey.com/r/DEBexpertise

Recent Funding Opportunities

Find links to all recent solicitations and DCL at the left side of the BIO webpage under Funding

Remember – Many BIO solicitations have no deadlines and no submission limits.

- NSF 23-549 – Division of Environmental Biology Core Programs - No deadline
- NSF 22-591 – Opportunities for Promoting Understanding through Synthesis (OPUS) – No deadline
- NSF 23-546 – Incorporating Human Behavior in Epidemiological Models (IHBEM) – Window April 3 – 14
- NSF 23-557 – Global Centers – Track 1 Deadline May 10, Track 2 Window April 12 – May 10
- NSF 22-500 – Building Research Capacity of New Faculty in Biology (BRC-BIO) – Deadline June 30
- NSF 22-586 – Faculty Early Career Development Program (CAREER) – Deadline July 26
- DCL 22-122 – Planning Proposals to Catalyze Innovative and Inclusive Wildland Fire Science through Diverse Collaborations
- DCL 23-055 – Bioinspired Design Collaborations to Accelerate the Discovery-Translation Process (BioDesign)
- DCL 21-021 – Career-Life Balance Supplement
- BIO 18-001 – Biological Sciences Temporary/Rotator Program Officer

New DEB Core Program Solicitation
NSF 23-549

- **Data Management Plan:** New guidance for specimen management.
- **IntBIO Track**: An Integrative Research in Biology (IntBIO) track invites submission of collaborative proposals to tackle bold questions in biology that require an integrated approach to make substantive progress.
  - must span two or more sub-disciplinary boundaries in biology
  - Projects suitable for review in a single existing BIO program should be submitted to that program (i.e. not IntBIO)
- **Small Grants:** Complete research projects, up to $200,000
- **Safe and Inclusive Work Environments** for off-site research required after April 18th

Check out the DEB Blog for more information

Research at primarily undergraduate institutions creates unique opportunities and challenges…

NSF Directorate Structure

Directorate for Biological Sciences (BIO)

Directorate for Computer and Information Science and Engineering (CISE)

Directorate for STEM Education (EDU)

Directorate for Engineering (ENG)

Directorate for Geosciences (GEO)

Directorate for Mathematical and Physical Sciences (MPS)

Directorate for Social, Behavioral and Economic Sciences (SBE)

Directorate for Technology, Innovation and Partnerships (TIP)

Directorate for Biological Sciences (BIO)

Molecule → Gene → Protein → Cell → Organism → Population → Community → Ecosystem → Biosphere

- Molecular & Cellular Biosciences (MCB)
- Integrative Organismal Systems (IOS)
- Environmental Biology (DEB)
- Biological Infrastructure (DBI)

Division of Environmental Biology (DEB)

Core Solicitation NSF 23-549 Proposals accepted anytime, no PI limits

Ecosystem Science

Ecosystem structure and function across spatial and temporal (including paleo) scales

Population and Community Ecology

Conceptual understanding of population ecology, species interactions and community dynamics

Evolutionary Processes

Evolutionary dynamics and their consequences

Systematics and Biodiversity Science

Diversity, systematics, and evolutionary history of extant / extinct organisms in natural systems

“Life history” view of NSF support

Undergrad

REU – Research Experience for Undergraduates (22-601)

Postbacc.

RET – Research Experience for Teachers (21-584)

RAMP – Research and Mentoring for Postbacc (23-514)

Grad.

GRFP – Graduate Research Fellowship Program (22-614)

Postdoc – Postdoctoral Research Fellowships in BIO (22-623)

New faculty

CAREER – Faculty Early-career Development Program (22-586)

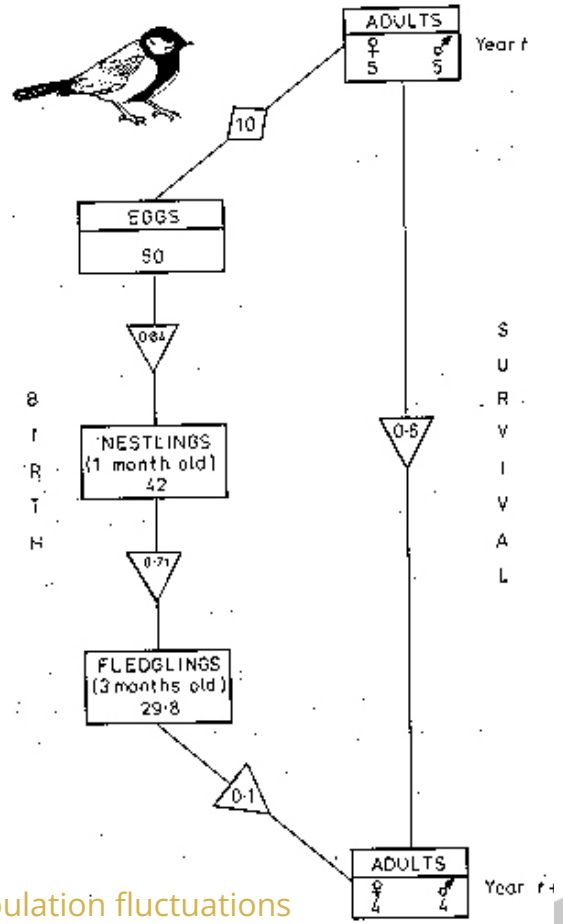
BRC-BIO – Building Research Capacity of New Faculty in Biology (22-500)

Assoc. Prof

MCA – Mid-Career Advancement (22-603)

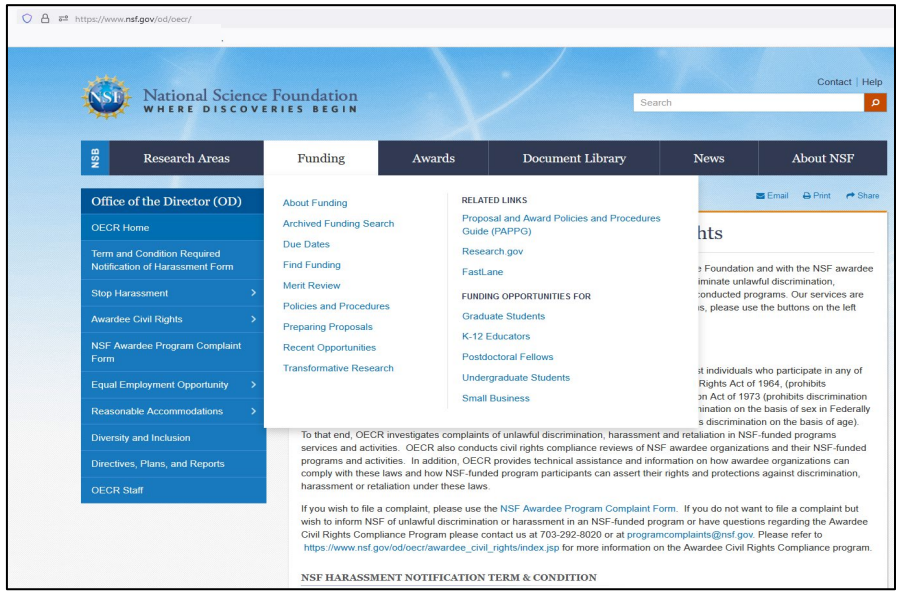
Senior Faculty

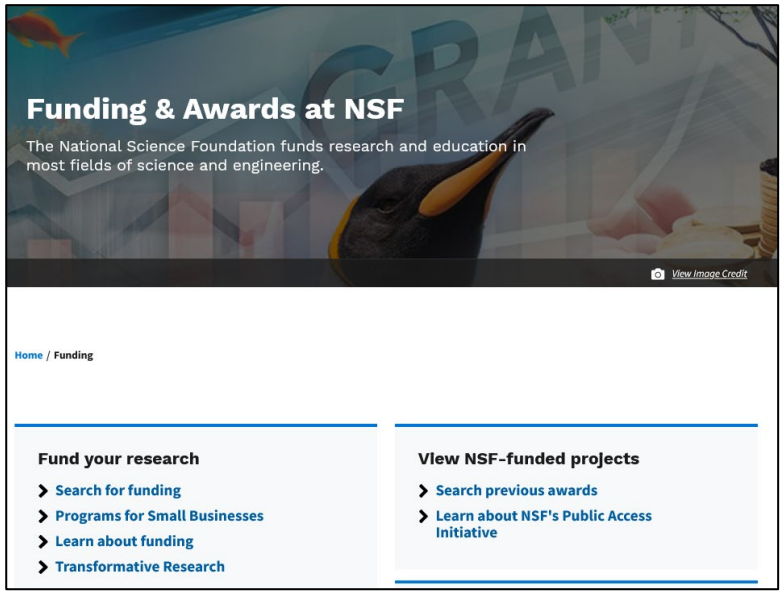
OPUS – Opportunity for Promoting Understanding through Synthesis (22-591)

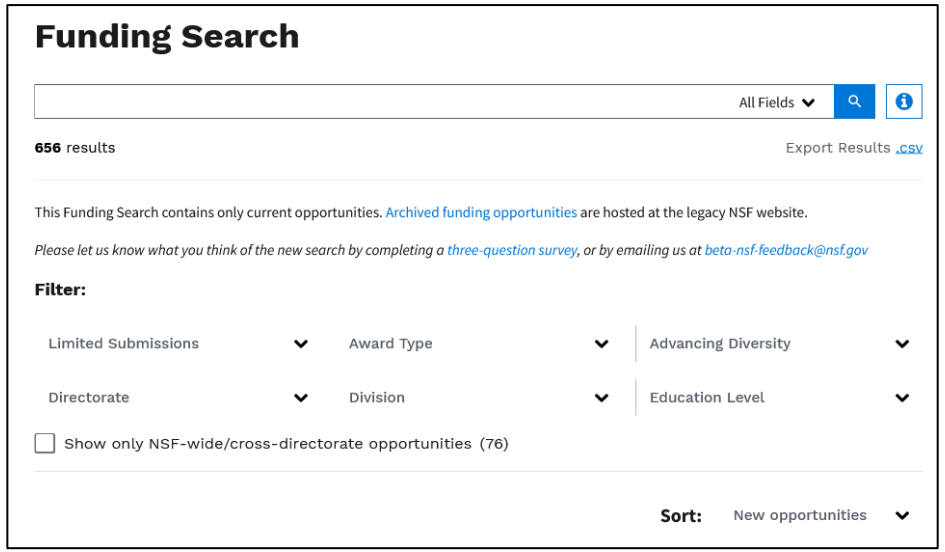


Perrins, C. M. (1965). Population fluctuations and clutch-size in the Great Tit, *Parus major* L. The Journal of Animal Ecology, 601-647.

How to Find Funding Opportunities







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

Essential Documents

Division of Environmental Biology (core programs) (DEB)

PROGRAM SOLICITATION
NSF 23-549

REPLACES DOCUMENT(S):
NSF 22-541

National Science Foundation
Directorate for Biological Sciences
Division of Environmental Biology

Full Proposal Deadline(s):

Proposals Accepted Anytime

IMPORTANT INFORMATION AND REVISION NOTES

DEB continues to accept unlimited no deadline full proposal submission: proposals may be submitted any day, any time with no limit on the number of proposals that may be submitted by an individual investigator.

REVISION NOTES

Data Management Plan: This solicitation contains updated information about plans for specimen management.

IntBIO Track: An Integrative Research in Biology (IntBIO) Track has been added. This track invites submission of collaborative proposals to tackle bold questions in biology that require an integrated approach to make substantive progress.

NSF-NERC Submissions: This solicitation includes updated information and links about international collaborative research opportunities with the UKRI NERC program.

Safe and Inclusive Working Environments: The Directorate for Biological Sciences requires that proposers who include off-campus or off-site research as part of their project submit, as supplementary documentation, a Plan for Safe and Inclusive Working Environments. For this solicitation, this document replaces the required plan associated with the certification in Chapter II.E.9 of the Proposal and Award Policies and Procedures Guide (PAPPG, NSF 23-1). Instructions for inclusion of the Plan for Safe and Inclusive Working Environments can be found in the additional proposal preparation instructions in this solicitation. Any proposal submitted in response to this solicitation should be submitted in accordance with the *NSF Proposal & Award Policies & Procedures Guide* (PAPPG).

SUMMARY OF PROGRAM REQUIREMENTS

General Information

Program Title:

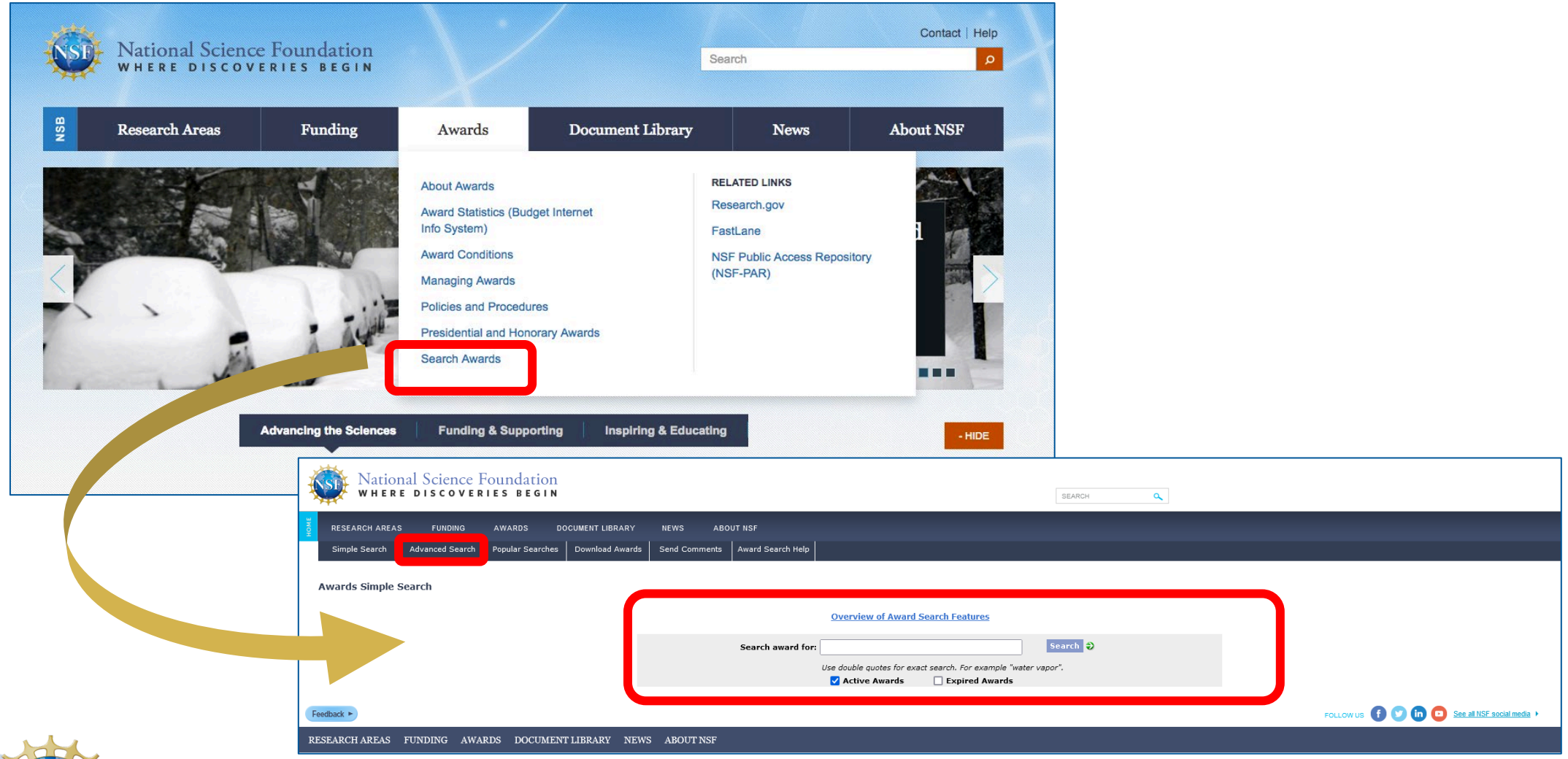
Division of Environmental Biology (DEB)
Core programs

Synopsis of Program:

The Division of Environmental Biology (DEB) Core supports research and training on evolutionary and ecological processes acting at the level of populations, species, communities, and ecosystems. DEB encourages research that elucidates fundamental principles that identify and explain the unity and diversity of life and its interactions with the environment over space and time. Research may incorporate field, laboratory, or collection-based approaches; observational or manipulative studies; synthesis activities; phylogenetic discovery projects; or theoretical approaches involving analytical, statistical, or computational modeling. Proposals should be submitted to the core clusters (Ecosystem Science, Evolutionary Processes, Population and Community Ecology, and Systematics and Biodiversity Science). DEB also encourages interdisciplinary proposals that cross conceptual boundaries and integrate over levels of biological organization or across multiple spatial and temporal scales. Research addressing ecology and ecosystem science in the marine biome should be directed to the Biological Oceanography Program in the Division of Ocean Sciences; research addressing evolution and systematics in the marine biome should be directed to the Evolutionary Processes or Systematics and Biodiversity Science programs in DEB.

PAPPG + Solicitation

Where Does My Research Fit?



How will my proposal be evaluated?

The merit review criteria

Intellectual Merit

- Potential to advance knowledge within/across fields
- Creative, original, potentially transformative concepts
- Well reasoned and organized ideas and experiments
- Qualified investigators
- Access to adequate resources

Broader Impacts

- Potential to benefit society
- Promote training and education
- Enhance infrastructure, resources
- Engage in outreach to community
- Broaden participation of underrepresented groups in STEM

Budgets…

- Personnel
  - <2 month/yr for PI/co-PI
  - Fringe
- Materials/Supplies
- Travel
- Equipment
- Participant support
  - No indirect costs applied
  - What goes in PS, stays in PS
- Indirect costs
  - Federally negotiated

Facilitating Research at Primarily Undergraduate Institutions

- Solicitation NSF 14-579
- PUIs are accredited colleges and universities (including two-year community colleges) that award Associate's degrees, Bachelor's degrees, and/or Master's degrees in NSF-supported fields but have awarded 20 or fewer Ph.D./D.Sci. degrees in all NSF-supported fields during the combined previous two academic years
- Foundation-wide program, proposals submitted to core programs
- Submission deadlines vary by program and proposals must meet program-specific requirements to be considered for review
  - Research in Undergraduate Institutions: RUI
  - Research Opportunity Awards: ROA

Research in Undergraduate Institutions: RUI

- Solicitation NSF 14-579
- RUI proposals support PUI faculty in research that engages them in their professional field(s), builds capacity for research at their home institution, and supports the integration of research and undergraduate education.
- May be submitted as part of a collaborative set of proposals with non-PUIs
- Requires a RUI certification and Impact Statement uploaded into the "Other Supplementary Documents" section

Research Opportunity Awards: ROA

- Solicitation NSF 14-579
- Research Opportunity Awards (ROA) similarly support PUI faculty research, but these awards typically allow faculty to work as visiting scientists at research-intensive organizations where they collaborate with other NSF-supported investigators.
- Commonly, but not exclusively submitted as a supplement to an existing NSF award to support ROA activities for PUI faculty

BRC-BIO Building Research Capacity of New Faculty in Biology (NSF 22-500)

- **Who:** Primary investigators must hold at least a 50% tenure-track (or tenure-track equivalent) position as an assistant professor (or equivalent rank), who are untenured, have both research and teaching components to their appointment, and are within the first three years of their appointment.

- **What:** Proposed projects should enable the establishment of research programs for new faculty to position them to apply for future grants to sustain their research and should also enrich undergraduate research experiences and thereby grow the STEM workforce.

- **Where:** Minority-serving institutions (MSIs), predominantly undergraduate institutions (PUIs), and other universities and colleges that are not among the nation's most research-intensive and resourced institutions.

- **When:** Proposal windows are June 1-30, 2023