



Student Research Opportunities through the U.S. National Science Foundation: Undergrad and Early Grad (mentors included)

Melissa Coleman and Paul Forlano, Program Directors
Division of Integrative Organismal Biology (IOS), Neural Systems Cluster
Directorate for Biological Sciences (BIO)
U.S. National Science Foundation (NSF)

Society for Integrative and Comparative Biology 2025
Atlanta GA Jan 3- 7

**Come meet
with us at
SICB!**

**NSF Booth #17
open through
Monday at 5pm.**

**Sign ups
available for
individual
meetings with
NSF staff.**

Integrative Organismal Systems (IOS)

Behavioral Systems Jodie Jawor, Kim Hoke

Developmental Systems IOSDSC@nsf.gov

Neural Systems Paul Forlano, Melissa Coleman

Physiological and Structural Systems Ted Morgan, Kathy Dickson

Plant Genome Research Program dbipgr@nsf.gov

Leadership Denise Dearing, Michelle Elekonich (*not in attendance*)

Science Advisor Julie Kellner

Administrative Staff Adama Lamon, Desi Silver

Division of Environmental Biology (DEB)

Evolutionary Processes Matt Heron



The Government of the United States

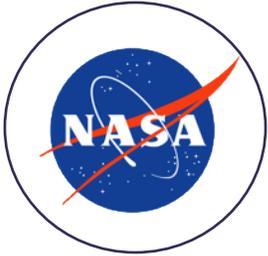
(way oversimplified)

The Constitution

Executive Branch

Legislative Branch

Judicial Branch



○ ○ ○
Many Other
Departments...

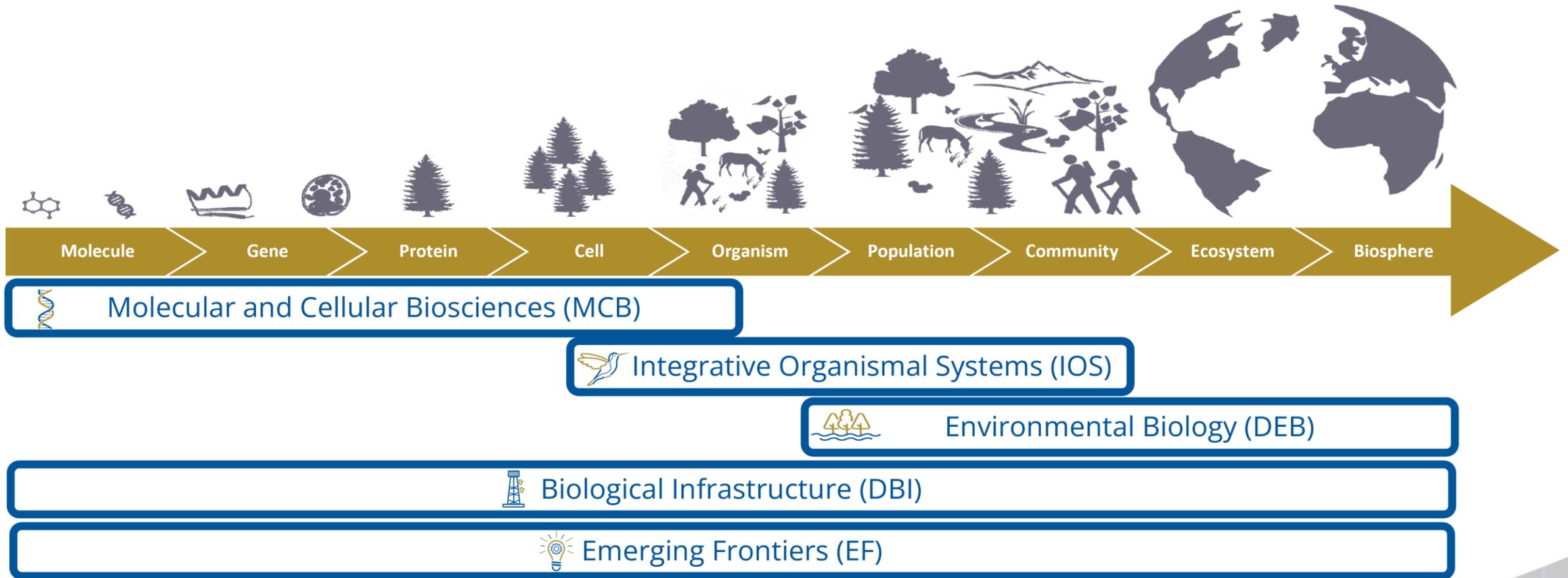


Directorate for Biological Sciences (BIO)

“To enable discoveries for understanding life, advance the frontiers of biological knowledge, and provide a theoretical basis for prediction within complex, dynamic living systems through an integration of scientific disciplines.”



How the BIO Divisions Support Research Across Scales



Integrative Organismal Systems (IOS)

Core Programs

Behavioral Systems

Animal Behavior

Developmental Systems

Plant, Fungal, and Microbial Developmental Mechanisms
Animal Developmental Mechanisms
Evolution of Developmental Mechanisms

Neural Systems

Organization
Activation
Modulation

Physiological and Structural Systems

Symbiosis, Infection, and Immunity
Physiological Mechanisms and Biomechanics
Integrative Ecological Physiology
Plant Biotic Interactions (NSF-NIFA)

Plant Genome Research Program

Special Programs & Tracks

Enabling Discovery
through GENomics
(EDGE)

Bio Inspired Design
(BIODesign)



Environmental Biology (DEB)

Core Programs

Ecology

Ecosystem Sciences
Population and Community Ecology

Evolution

Evolutionary Processes
Systematics and Biodiversity Science
PurSUiT and ARTS

Special Programs & Tracks

Biodiversity on a
Changing Planet
(BoCP)

Ecology and
Evolution of
Infectious Diseases
(EEID)

Long-Term
Ecological Research
(LTER)

Long-Term
Research in
Environmental
Biology
(LTREB)

Opportunities for
Promoting
Understanding
through Synthesis
(OPUS)



Molecular & Cellular Biosciences (MCB)

Core Programs

Cellular Dynamics and Function

Genetic Mechanisms

Molecular Biophysics

Systems and Synthetic Biology

Special Programs & Tracks

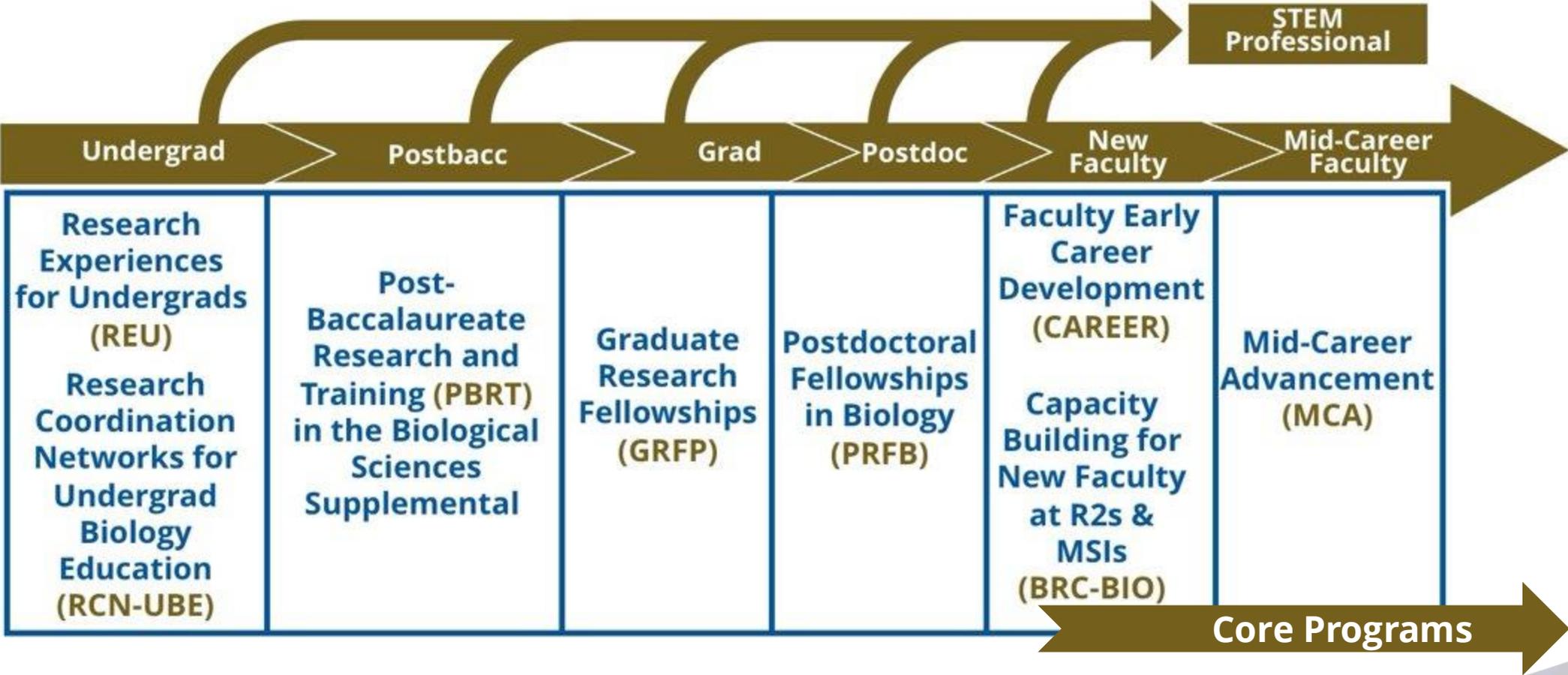
Building Synthetic Microbial
Communities for Biology,
Mitigating Climate Change,
Sustainability and Biotechnology
(Synthetic Communities)

Designing Synthetic Cells Beyond
the Bounds of Evolution
(Designer Cells)

Transitions to Excellence in
Molecular and Cellular
Biosciences Research
(Transitions)

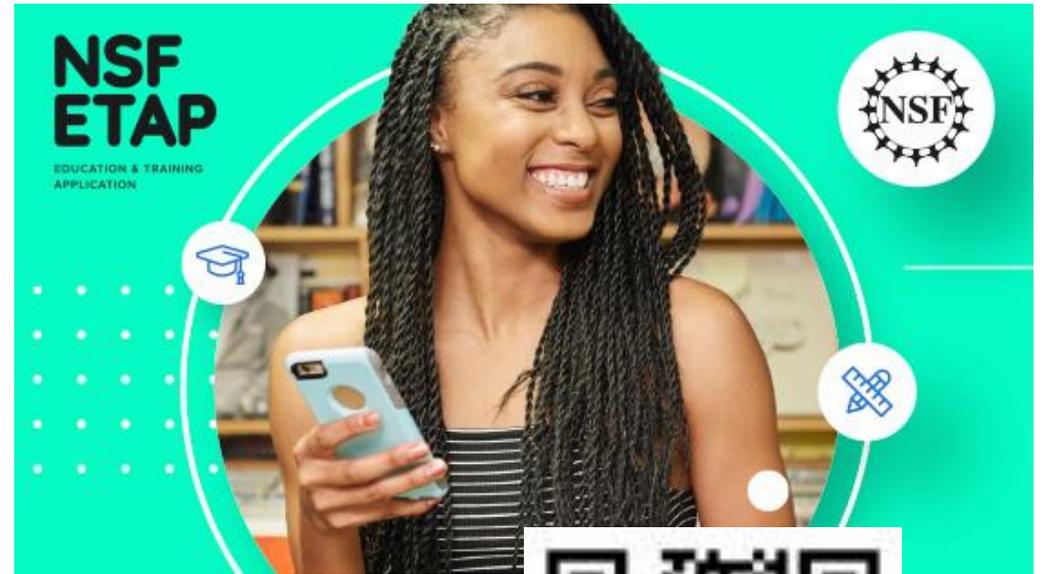


Supporting Researchers Throughout Their Career



NSF ETAP Education & Training Application

- **Students:** Easy way to discover and apply to opportunities that strengthen your academic career.
- **Principal Investigators (PIs)** of NSF Awards can customize NSF's ETAP application to provide opportunities for applicants to participate in.
- ETAP does not include all of NSF Education and Training Opportunities available.



Discover Transformative Educational Experiences

The U.S. National Science Foundation connects students and professionals at all stages of their academic journey through OPPORTUNITIES that foster growth. Get involved to build your career and contribute to advancing science, technology, and engineering.

[NSF Programs in ETAP](#)

<https://www.etap.nsf.gov/>

REU: Research Experiences for Undergraduates (Student perspective)

- **Who:** Undergraduates currently enrolled in 2 or 4-year college; U.S. citizens
- **What:** Undergraduate summer research internship
- **Where:** Both international and domestic programs
- **When:** Varies by program
- **How:** Find the list of REU sites on the NSF website; apply directly to an REU through their website or through ETAP

Applications include: (1) **personal statement**, (2) **transcript** and (3) two **recommendations**



REU: Research Experiences for Undergraduates (PI perspective)



- **Synopsis**

- Provides funding to engage undergrads in research
- Two mechanisms:
 1. **REU Sites:** Centralized training of a group of undergrads in a theme-focused bioscience research. Sites include immersive dive into science and activities to develop student professional skills.
 2. **REU Supplements:** Supplements to new or existing awards to engage one or more students in the research activity



Search for an REU Site



- [Find Funding & Apply](#)
- [Manage Your Award](#)
- [Focus Areas](#)
- [News & Events](#)
- [About](#)



NSF Research Experiences for Undergraduates

[Information for Students](#)

[Information for Faculty](#)

[Search the Directory of REU Sites](#)

Share



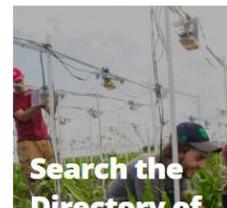
Organization(s)

[National Science Foundation \(NSF\)](#)

The U.S. National Science Foundation Research Experiences for Undergraduates (NSF REU) program supports intensive research by undergraduate students in any area of research funded by NSF.

Faculty can apply for funding to support a cohort of undergraduate students in research projects designed specifically for the NSF REU program (an REU Site) or can apply for additional funding to involve undergraduate students in a new or ongoing NSF-funded research project (an REU Supplement).

Undergraduates (college and university students) can apply directly to REU Sites to participate in research projects across the United States and the world. REU-supported students receive stipends and in many cases assistance with housing, meals and travel. (For additional research opportunities, explore the [Information for Undergraduates](#) page.)



Search for an REU Site



[Home](#) / [Funding at NSF](#) / [NSF Initiatives](#) / [NSF Research Experiences for Undergraduates](#) / [Search for a Site: Research Experiences for Undergraduates \(REU\)](#)

Search REU Sites

Use this page to explore existing U.S. National Science Foundation Research Experiences for Undergraduates (NSF REU) Sites. You can search by research area, location and keyword.

The directory provides the website and contact information for each REU Site. Once you have found an REU Site that interests you, you must consult each REU Site directly for information and application instructions.

If you are the director of an REU Site and your Site's entry in this directory needs to be updated, please contact the NSF program officer who oversees your REU Site award or the [REU.Site.program.contact](#) for the NSF unit that manages your award.

 Search

Filter by

Research Area: Biology ✕

[Reset all filters](#)

Location ▼

Sort by Institution (A to Z) ▼

[REU Site: Research & Training in Multidisciplinary field of R
Sciences for Undergraduates](#) 🔗

Alabama State University
Biological Sciences
Montgomery, AL

Topics: Biology, Biosciences, Biomedical
→ [Abstract of award](#)

Research Area ▲

- Arctic & Antarctic 3
- Astronomy & Space 32
- Biology 138
- Chemistry & Materials 147
- Computing 68
- Earth & Environment 90
- Education 5



Shree Singh
(334) 604-9160
ssingh@alasu.edu



Biology REU Sites in Georgia

Filter by

Location: Georgia Research Area: Biology [Reset all filters](#)

Location Research Area

Sort by 3 results [Export results as .csv](#)

REU Site: Interdisciplinary Research Experiences in Coastal Plain Science [↗](#)

Georgia Southern University
Institute for Coastal Plain Science
Statesboro, GA

Topics: Biology, Bioscience, Coastal Plain Science, Geology and Geography, Ecology, Evolution, Physiology, Genetics, Systematics, Microbiology, Parasitology, Environmental Science

→ [Abstract of award](#)

 Jose C. Colon-Gaud
(912) 478-0053
jccolongaud@georgiasouthern.edu

 Daniel F. Gleason
(912) 478-5957
dgleason@georgiasouthern.edu

REU Site: Multidisciplinary Graph Data Analytics [↗](#)

Georgia State University
Atlanta, GA

Additional information and application instructions for this Site will be posted on <https://etap.nsf.gov>

Topics: Data analytics, Graph Data Analytics, Bioinformatics, Business Analytics

→ [Abstract of award](#)

 Esra Akbas
eakbas1@gsu.edu

REU site: Genomics and Computational Biology [↗](#)

University of Georgia
Genetics
Athens, GA

contact arnold@uga.edu for questions

Topics: genomics, metabolomics, computational biology, bioinformatics, systems biology, proteomics

→ [Abstract of award](#)

 Art Edison
(706) 542-8156
aedison@uga.edu

 Helen Walter
(404) 880-6830
hwalter@cau.edu



IRES: International Research Experiences for Students

- **Who:** Undergraduates or graduate students who are citizens, nationals, or permanent residents of the U.S.
- **What:** International research opportunities involving mentoring by researchers at a foreign lab; usually involve small groups of students who travel to a host institution for a summer-length research project.
- **How:** To find active IRES projects, visit the [NSF IRES Project Search](#). Each project lists the name and contact information of the Principal Investigator, or lead, of that project.

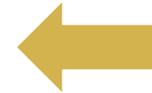
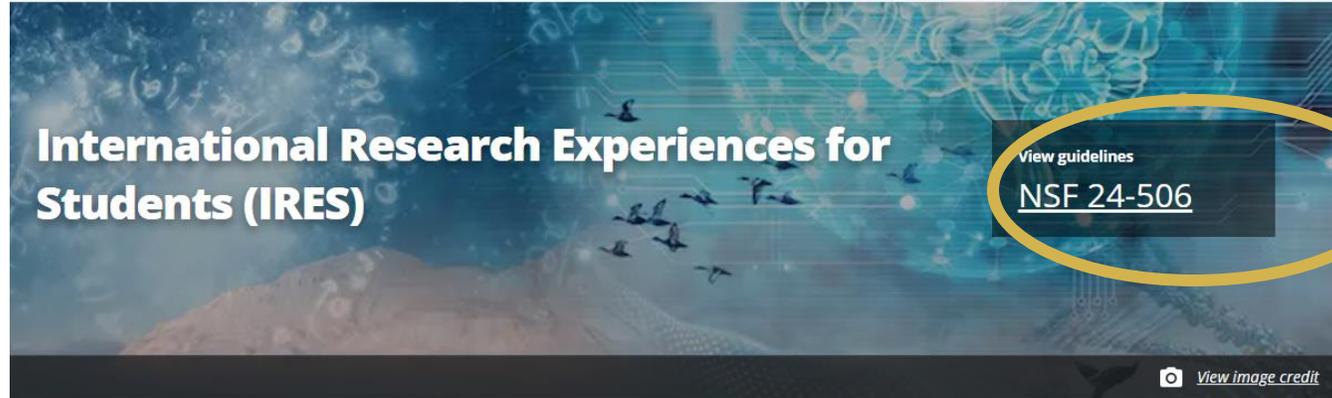


IRES: Students and Faculty



Search NSF

[Find Funding & Apply](#) [Manage Your Award](#) [Focus Areas](#) [News & Events](#) [About](#)



For Faculty who want to propose to run an IRES Program: View Guidelines

For Students Who want to Participate: Scroll Down



[Home](#) / [Funding at NSF](#) / [Funding Search](#) / [International Research Experiences for Students \(IRES\)](#)

[Print](#)

- Important information about NSF's implementation of the revised 2 CFR**
NSF Financial Assistance awards (grants and cooperative agreements) made on or after October 1, 2024, will be subject to the applicable set of award conditions, dated October 1, 2024, available on...
- Important information for proposers**
All proposals must be submitted in accordance with the requirements specified in this funding opportunity and in the NSF [Proposal & Award Policies & Procedures Guide \(PAPPG\)](#) that is in effect...

Supports international research and research-related activities for U.S. science and engineering students.

Synopsis

The International Research Experiences for Students (IRES) program supports international research and research-related activities for U.S. science and engineering students. The IRES program contributes to development of a diverse, globally engaged workforce with world-class skills. IRES focuses on active research participation by undergraduate and/or graduate students in high quality international research, education and professional development experiences in NSF-funded research

Upcoming due dates

Full proposal

2025

October 27 2025 - Deadline date

☐ Fourth Monday in October, Annually Thereafter

Due by 5pm submitting organization's local time



Deadline!



IRES Projects Funded-to-date

Awards made through this program

[Browse projects funded by this program](#)

[Map of recent awards made through this program](#)

[➤ Organization\(s\)](#)



IRES Award Listing

New Zealand

IRES: US-NZ Collaborative Research on Food Innovation for Sustainable Future

Award Number:2419926; Principal Investigator:Michael Danquah; Co-Principal Investigator:Tao Wu; Organization:University of Tennessee Knoxville;NSF Or

IRES: Program for Research in grid-forming battery inverters for grid applications (PRIMAVERA) **Australia**

Award Number:2420102; Principal Investigator:Ali Mehrizi-Sani; Co-Principal Investigator:Chen-Ching Liu; Organization:Virginia Polytechnic Institute and S

IRES: Global Problems Solvers in Tropical Sustainable Living

Award Number:2419949; Principal Investigator:Cedrick Kwuimy; Co-Principal Investigator:Sheryl Sorby; Organization:University of Cincinnati Main Campus

IRES: ECOTROP: An international field school in the biodiversity sciences

Award Number:2420103; Principal Investigator:Nicola Anthony; Co-Principal Investigator:Johannes Foufopoulos; Organization:University of New Orleans;NS

IRES: Research to Support Energy Sovereignty for Indigenous Peoples **Australia**

Award Number:2419970; Principal Investigator:Wayne Seames; Co-Principal Investigator:Bethany Klemetsrud, Hongyu Wu, Adam Gladen; Organization:Un

IRES: Collaborative Research to Yield Stimulating Transnational Activities in Lattice Dynamics (CRYSTAL Dynamics) **Italy**

Award Number:2420126; Principal Investigator:Michael Ruggiero; Co-Principal Investigator;; Organization:University of Rochester;NSF Organization:OISE S

IRES: Collaborative Research: Grenada SURF-TURF: Summer Undergraduate Research Fellows - Teaming Up on Reefs and in Forests

Award Number:2420196; Principal Investigator:Ethan Degner; Co-Principal Investigator;; Organization:Wisconsin Lutheran College;NSF Organization:OISE

Grenada

IRES: Collaborative Research: Grenada SURF-TURF: Summer Undergraduate Research Fellows - Teaming Up on Reefs and in Forests

Award Number:2420195; Principal Investigator:Emily Latch; Co-Principal Investigator;; Organization:University of Wisconsin-Milwaukee;NSF Organization:(

IRES: AI-PROWIL: US-Swedish Research Experiences on AI in Production Technology and Work-Integrated Learning **Sweden**

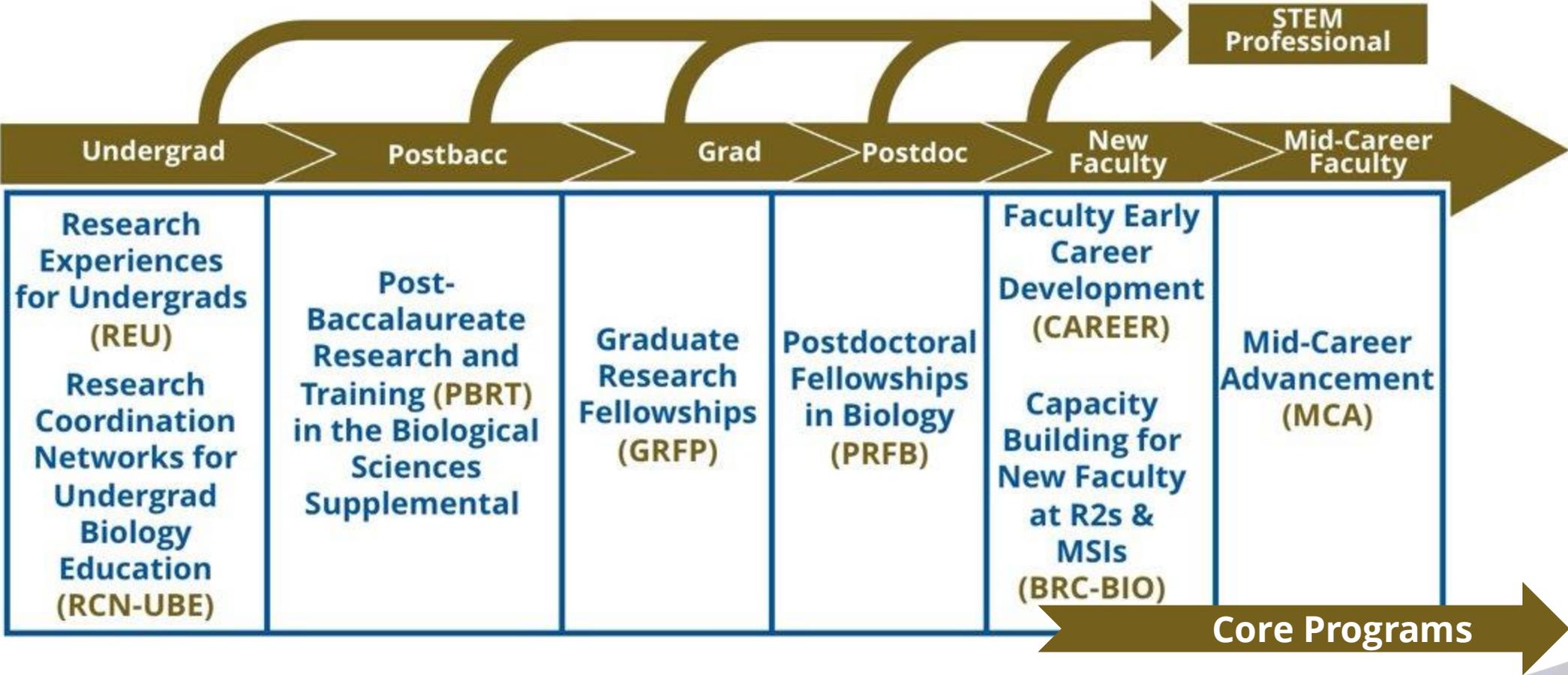
Award Number:2420109; Principal Investigator:Cecilia Alm; Co-Principal Investigator:Pengcheng Shi, Reynold Bailey, Alexander Ororbia; Organization:Roch

IRES: Digital Civics Exchange (DCX) for Citizen-Centered Artificial Intelligence **England**

Award Number:2420110; Principal Investigator:Colin Gray; Co-Principal Investigator:Austin Toombs; Organization:Indiana University;NSF Organization:OIS



Supporting Researchers Throughout Their Career



Thinking about grad school?



GRFP Graduate Research Fellowship Program

- **Who:** Graduate or undergraduate student pursuing Master's or PhD studies (U.S. citizen, national, or permanent resident)
- **What:** A 5-year year STEM fellowship (3 years of financial support)
- **Where:** At any U.S. Institution of Higher Education or non-profit organization
- **When:** Can apply as an undergraduate in their final year of study, recent graduates, and graduate students within the first 12 months of study
 - **Applications due:** Oct./Nov. each year
- **How:** To apply go to fastlane.nsf.gov/grfp



GRFP Graduate Research Fellowship Program

Three years of financial support

\$37,000 / year stipend

\$16,000 educational allowance

The award:

- **Fellowship:** Awarded to individual
- **Flexible:** Choice of project, advisor, and program
- **Unrestricted:** No service requirement
- **Portable:** Can be used at any accredited, non-profit, US institution of higher education, with campus in US research-based master's and doctoral degrees

Level 1: Seniors/bachelor's degree:
no graduate study

Level 2: 1st-year graduate students

- Joint bachelor's-master's (completed 3 years)

Level 3: Second-year graduate students

- No more than 1 academic year completed in 1st graduate degree program
- For joint BS/MS holders ONLY, can apply as 1st year doctoral students if went directly into PhD program, after completing joint bachelor's-master's degree)

Level 4: Returning graduate students

- > 2-year interruption in graduate study
- No doctorates or >1 academic year in graduate program
- NOT ENROLLED in graduate program at application deadline

Level 1
unlimited
applications

Level 2-4 Only
apply once

*Amounts are based on GRFP Solicitation NSF 24-591





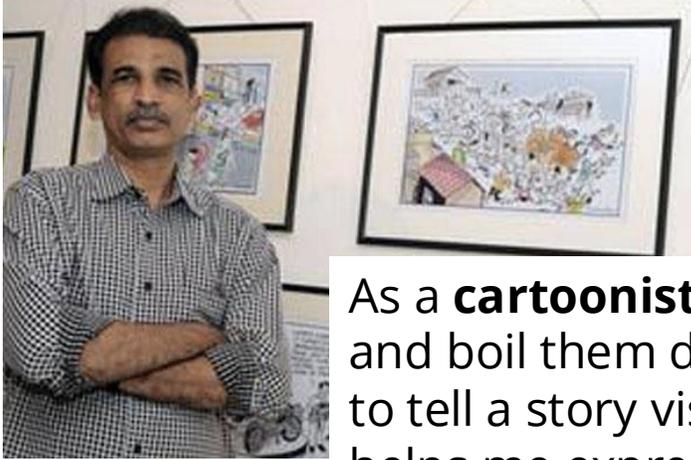
GRFP Application

Complete Application Package:

- 1) Personal Information, Education, Work/Research Experience, Proposed Major Field of Study, Honors, Awards, Publications
- 2) Personal, Relevant Background and Future Goals Statement (3-page PDF)
- 3) Graduate Research Statement (2-page PDF)
- 4) Transcripts (PDFs; mandatory)
- 5) Letters of reference (may provide up to five names of reference letter writers)
 - 3 reference letter writer names are mandatory and 2 reference letters are mandatory for application review



What Makes You Unique as a Scientists?



As a **cartoonist** I take complex images and boil them down to key signatures to tell a story visually without text. This helps me express complex processes through simple schematics.

As a **crisis counselor**, my counseling skills help me to promote a lab environment that supports mental health and nurtures curious minds.



As a **rock climber**, you have to risk falling in order to become better; the same principle applies in science.



Dancing connects my body & mind in a way that challenges me to question established truths and overcome my limitations.

<https://science.sciencemag.org/content/sci/361/6397/24.full.pdf>



Opportunities to work at NSF

- **Summer Scholars Internship Program**
 - 10-week-long summer internship at NSF for undergraduate and graduate students.
 - Interns learn about science administration and how federal policies affect the science and engineering community.
 - Students interested in the NSF Summer Scholars Internship Program can apply through the [QEM Network](#) or [Hispanic Association of Colleges and Universities National Internship Program](#)

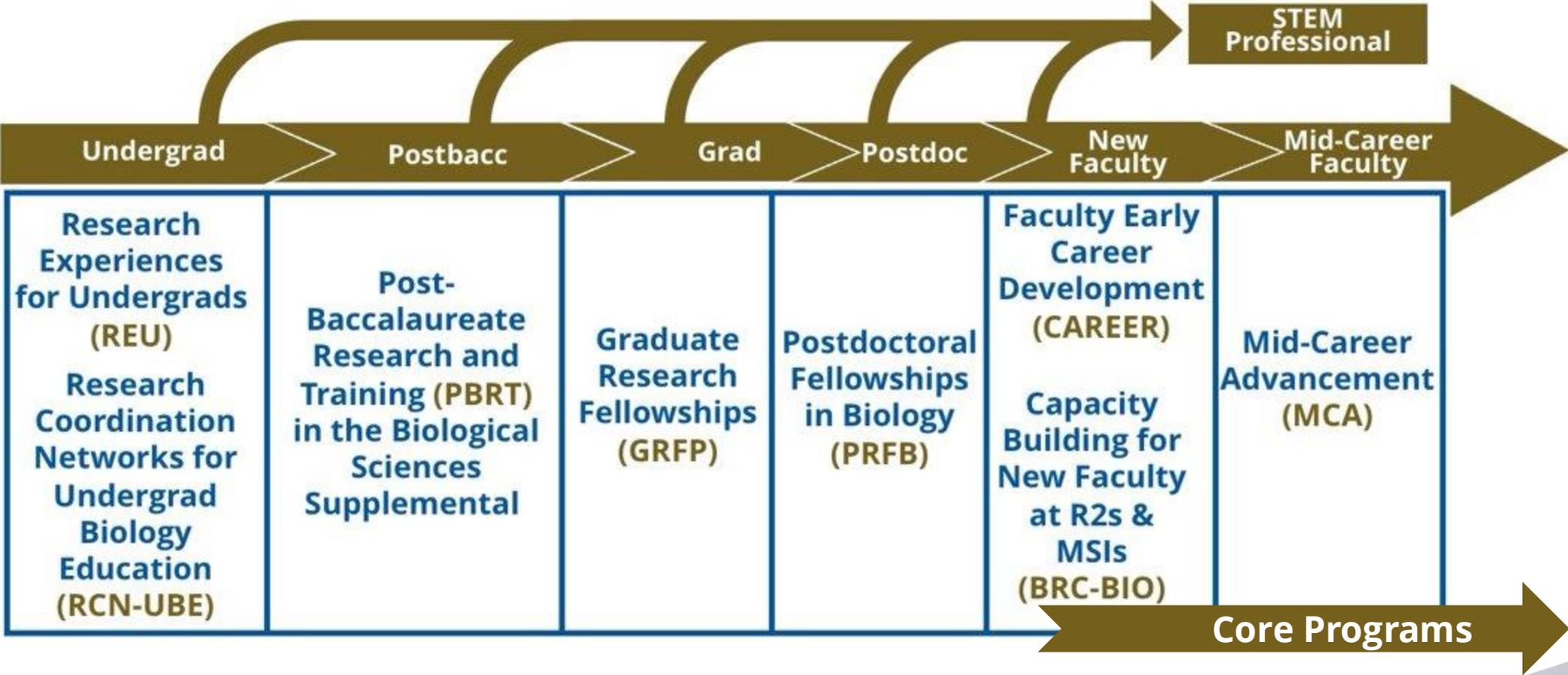


INTERN Non-Academic Research Internships for Graduate Students

- **Who:** Graduate Students in NSF funded labs (application as a supplement to the existing award)
- **What:** Provides graduate students with experiential learning opportunities through research internships to acquire core professional competencies and skills to support careers in any sector of the U.S. economy.
- **Where:** For-profit industry laboratories, Start-up businesses, Government agencies, Museums, Policy think-tanks' Non-profit organizations
- **More info:** NSF 21-013
<https://www.nsf.gov/pubs/2021/nsf21013/nsf21013.jsp>



Supporting Researchers Throughout Their Career



PRFB Postdoctoral Research Fellowship in Biology

- **Who:** Recent recipients of doctoral degrees (**Past 15 months**); US citizen or national or US permanent resident
- **What:** 3-year postdoctoral fellowship
- **Current themes:** Rules of Life, Plant Genomics, Broadening Participation
- **Where:** At any Institution of Higher Education or non-profit organization
- **When:** Application deadline is in the Fall
- **Contact:** bio-dbi-prfb@nsf.gov



PRFB Postdoctoral Research Fellowship in Biology

Three years of financial support

\$60,000 / year Salary

\$20,000 Research allowance

The award:

- **Fellowship:** Awarded to individual
- **Mentoring:** should provide active mentoring of fellows
- **Unrestricted:** No service requirement
- **Portable:** Can be used at any accredited, non-profit, US institution of higher education, with campus in US research-based master's and doctoral degrees

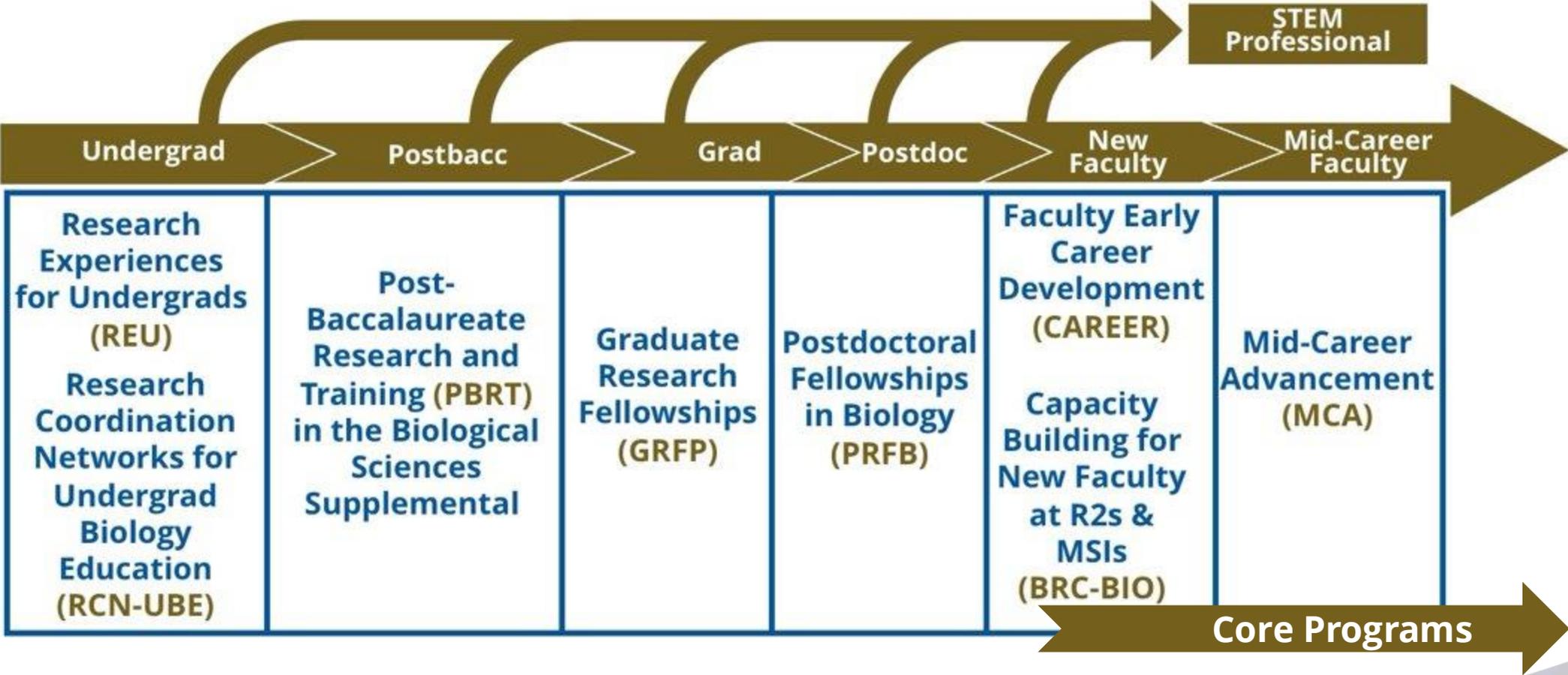
Area 1: Broadening Participation of Groups Underrepresented in Biology

Area 2: Integrative Research Investigating the Rules of Life Governing Interactions Between Genomes, Environment, and Phenotype.

Area 3: Plant Genome Postdoctoral Research Fellowships



Supporting Researchers Throughout Their Career



Core Programs

Division of Integrative and Organismal Systems

Division of Environmental Biology

Division of Molecular and Cellular Biology

- **Who:** Unaffiliated individuals are not eligible to submit proposals.
- **What:** Proposals are welcomed in all core scientific program areas supported, including projects that cross traditional disciplinary boundaries (talk to your Program Directors).
- **Where:** Institutions of Higher Education; Non-profit, Non-academic Organizations; Tribal Governments.
- **When:** Any time (in BIO)
- **Amount:** Create a Budget for what you need



Other Opportunities to work at NSF

- [Administrative Staff Positions](#) including Program Assistant, Program Specialist, Program Analyst, and Science Assistant
- [The Science & Technology Policy Fellowships](#) program provides opportunities for scientists and engineers to contribute to federal policymaking while learning firsthand about the intersection of science and policy.
- [The Mass Media Science & Engineering Fellowship](#) places science students and postdoctoral trainees in newsrooms to work as reporters, editors and production assistants.





[Home](#) < [Grants and Scholarships for Students](#)

Grants and Scholarships for Students

SICB offers grants and scholarships to support student research and attendance at the annual meeting.

- Student Research Support
 - Student Research Awards
 - Grants in Aid of Research
 - Fellowship of Graduate Student Travel
 - Libbie H. Hyman Memorial Scholarship for Courses & Research at a Field Station
- Annual Meeting Support
 - Broadening Participation Professional Development Award
 - Charlotte Mangum Student Support Program

Merit Review Criteria

- **Intellectual Merit (IM):**
the potential to advance knowledge
- **Broader Impacts (BI):**
the potential to benefit society and contribute to the achievement of specific, desired societal outcomes



Broader Impacts: Benefitting Society

**Teaching, training,
and learning
(undergrads +
grad students)**

**Broaden
participation of
underrepresented
groups**

**Build or enhance
partnerships
(internationally,
or with other
agencies)**

**Broad
dissemination to
enhance scientific
+ technological
understanding**

**Enhance
infrastructure
(labs, equipment,
+ work
in developing
countries)**

**Local impacts
(policies @ state +
local level)**



A Proposal is Different Than a Paper

*Porter (2007) The Journal of Research Administration;
Volume XXXVIII, No.2: p. 37-43*



A Proposal is Different Than a Paper

a scholarly pursuit: individual passion, past-oriented, work that has been done

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Volume XXXVIII, No.2: p. 37-43*



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future-oriented, work that should be done

- a scholarly pursuit: individual passion, past-oriented, work that has been done

*Porter (2007) The Journal of Research Administration;
Volume XXXVIII, No.2: p. 37-43*



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A Proposal is Different Than a Paper

expository tone: explaining to the reader,
impersonal tone, objective, dispassionate

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project-centered: objectives and activities

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A Proposal is Different Than a Paper

theme-centered: theory and thesis

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- project-centered: objectives and activities
- a scholarly pursuit: individual passion, past-oriented, work that has been done
- expository tone: explaining to the reader, impersonal tone, objective, dispassionate

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A Proposal is Different Than a Paper

specialized terminology: “insider jargon”

- aimed at sponsor goals: service attitude, future-oriented, work that should be done
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- project-centered: objectives and activities
- a scholarly pursuit: individual passion, past-oriented, work that has been done
- expository tone: explaining to the reader, impersonal tone, objective, dispassionate
- theme-centered: theory and thesis

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- expository tone: explaining to the reader, impersonal tone, objective, dispassionate
- theme-centered: theory and thesis

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A Proposal is Different Than a Paper

accessible language: easily understood

- aimed at sponsor goals: service attitude, future-oriented, work that should be done
- persuasive tone: 'selling' the reader, personal tone, conveys excitement
- project-centered: objectives and activities
- a scholarly pursuit: individual passion, past-oriented, work that has been done
- expository tone: explaining to the reader, impersonal tone, objective, dispassionate
- theme-centered: theory and thesis
- specialized terminology: "insider jargon"

*Porter (2007) The Journal of Research Administration;
Volume XXXVIII, No.2: p. 37-43*



A Proposal is Different Than a Paper

accessible language: easily understood

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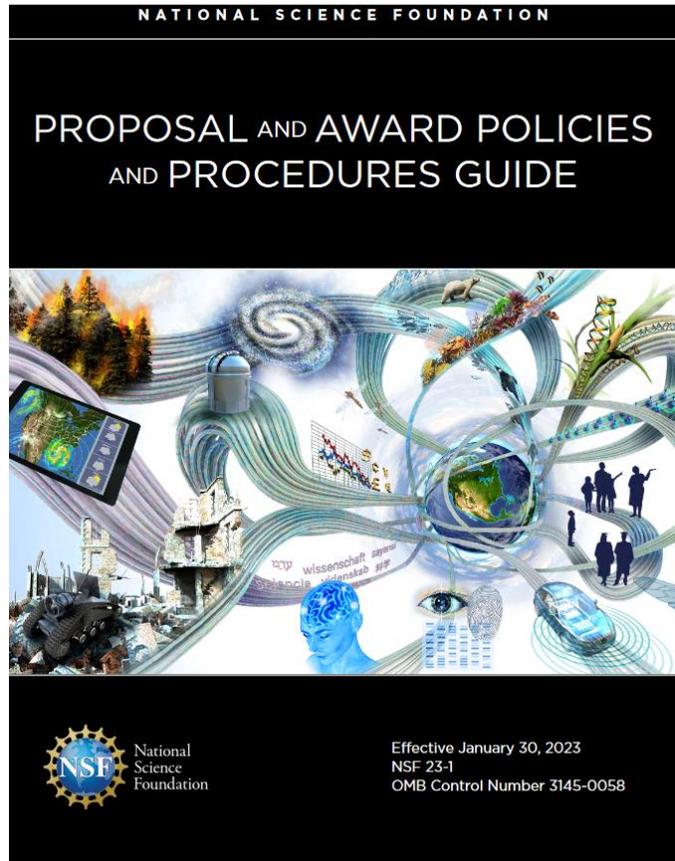
A Proposal is Different Than a Paper

- aimed at sponsor goals: service attitude, future-oriented, work that should be done
- persuasive tone: 'selling' the reader, personal tone, conveys excitement
- project-centered: objectives and activities
- accessible language: easily understood
- team-focused: feedback needed
- strict length constraints: brevity rewarded
- a scholarly pursuit: individual passion, past-oriented, work that has been done
- expository tone: explaining to the reader, impersonal tone, objective, dispassionate
- theme-centered: theory and thesis
- specialized terminology: "insider jargon"
- individualistic: primarily a solo activity
- few length constraints: verbosity rewarded

*Porter (2007) The Journal of Research Administration;
Volume XXXVIII, No.2: p. 37-43*



Essential Documents



Division of Environmental Biology (core programs) (DEB)

PROGRAM SOLICITATION
NSF 21-504

REPLACES DOCUMENT(S):
NSF 20-502

 National Science Foundation
Directorate for Biological Sciences
Division of Environmental Biology

Full Proposal Deadline(s):
Proposals Accepted Anytime

IMPORTANT INFORMATION AND REVISION NOTES

IMPORTANT INFORMATION
Innovating and migrating proposal preparation and submission capabilities from FastLane to Research.gov is part of the ongoing NSF information technology modernization efforts, as described in Important Notice No. 147. In support of these efforts, the Directorate for Biological Sciences (BIO) is now requiring the use of Research.gov for the preparation and submission of proposals in response to its core programs that do not have deadline dates (see Dear Colleague Letter NSF 20-129). As such, full research proposals submitted in response to this program solicitation must be prepared and submitted via Research.gov. Proposals also may continue to be submitted via use of Grants.gov.

NSF is taking proactive steps to move the preparation and submission of all proposals from FastLane to Research.gov, however until capabilities are fully implemented, the other types of proposals outlined in Chapter II.E of the NSF Proposal & Award Policies & Procedures Guide (PAPPG), as well as accomplishment-based renewal proposals, must be prepared and submitted via FastLane or Grants.gov in accordance with the applicable guidance contained in the PAPPG or the NSF Grants.gov Application Guide.

REVISION NOTES
The description of the Bridging Ecology and Evolution (BEE) special category has been revised.
RoL Track: The Rules of Life (RoL) track is no longer a part of this solicitation. A new separate opportunity centered on The Rules of Life Track (RoL) is forthcoming. Sign up for NSF Updates to be notified when it is released.
Full research proposals submitted in response to this program solicitation can no longer be prepared and submitted via FastLane.
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 Sciences, Evolutionary Processes, Population and Community Ecology, and Systematics and Biodiversity Sciences). DEB also encourages interdisciplinary proposals that cross conceptual boundaries and integrate over levels of biological organization or across multiple

PAPPG

+

Solicitation



NSF Policy Office Outreach



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Fall 2024 NSF Virtual Grants Conference: Proposal and Award Policy Update



Fall 2024 NSF Virtual Grants Conference: Financial Management Update



Fall 2024 NSF Virtual Grants Conference: Directorate for Biological Sciences (BIO)



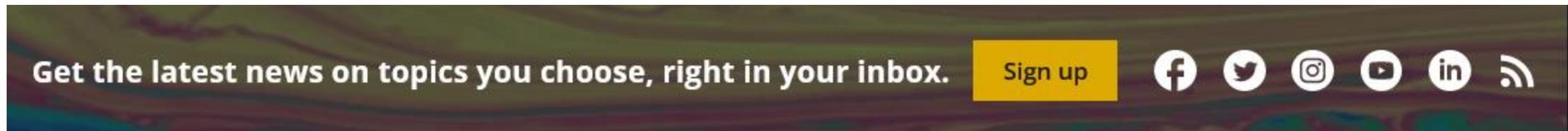
BIO Outreach and Blogs



BIO News and Updates

Sign-up for emails on new solicitations; events; due date reminders; and BIO's quarterly newsletter, including information on new priorities and solicitations, highlights from the community, and more!

Visit www.nsf.gov and scroll down until you see the Sign up and social media banner, click on the yellow box, and follow the prompts.



BIO Blogs

News, features, highlights, and more from OAD and the BIO Divisions

- BIO Buzz (OAD): <https://oadblog.nsfbio.com/>
- DBInfo (DBI): <https://dbiblog.nsfbio.com/>
- DEBrieF (DEB): <https://debblog.nsfbio.com/>
- IOS in Focus (IOS): <https://iosblog.nsfbio.com/>
- MCB Blog (MCB): <https://mcbblog.nsfbio.com/>



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[Toolkit: nsf.gov/ScienceHappensHere](https://nsf.gov/ScienceHappensHere)



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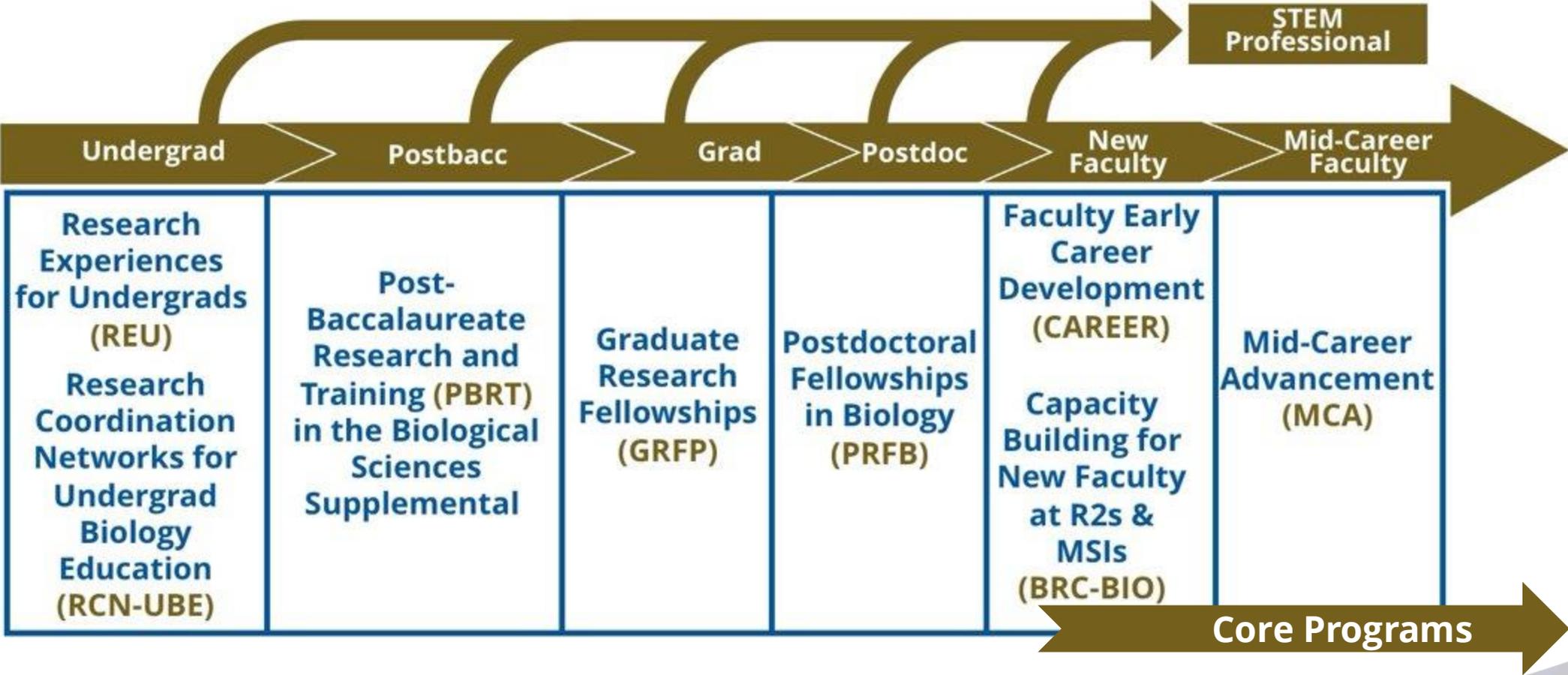
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 *Cape Royds,
Ross Island, Antarctica*

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open through
Monday at 5pm.**

**Sign ups
available for
individual
meetings with
NSF staff.**

Integrative Organismal Systems (IOS)

Behavioral Systems Jodie Jawor, Kim Hoke

Developmental Systems IOSDSC@nsf.gov

Neural Systems Paul Forlano, Melissa Coleman

Physiological and Structural Systems Ted Morgan, Kathy Dickson

Plant Genome Research Program dbipgr@nsf.gov

Leadership Denise Dearing, Michelle Elekonich (*not in attendance*)

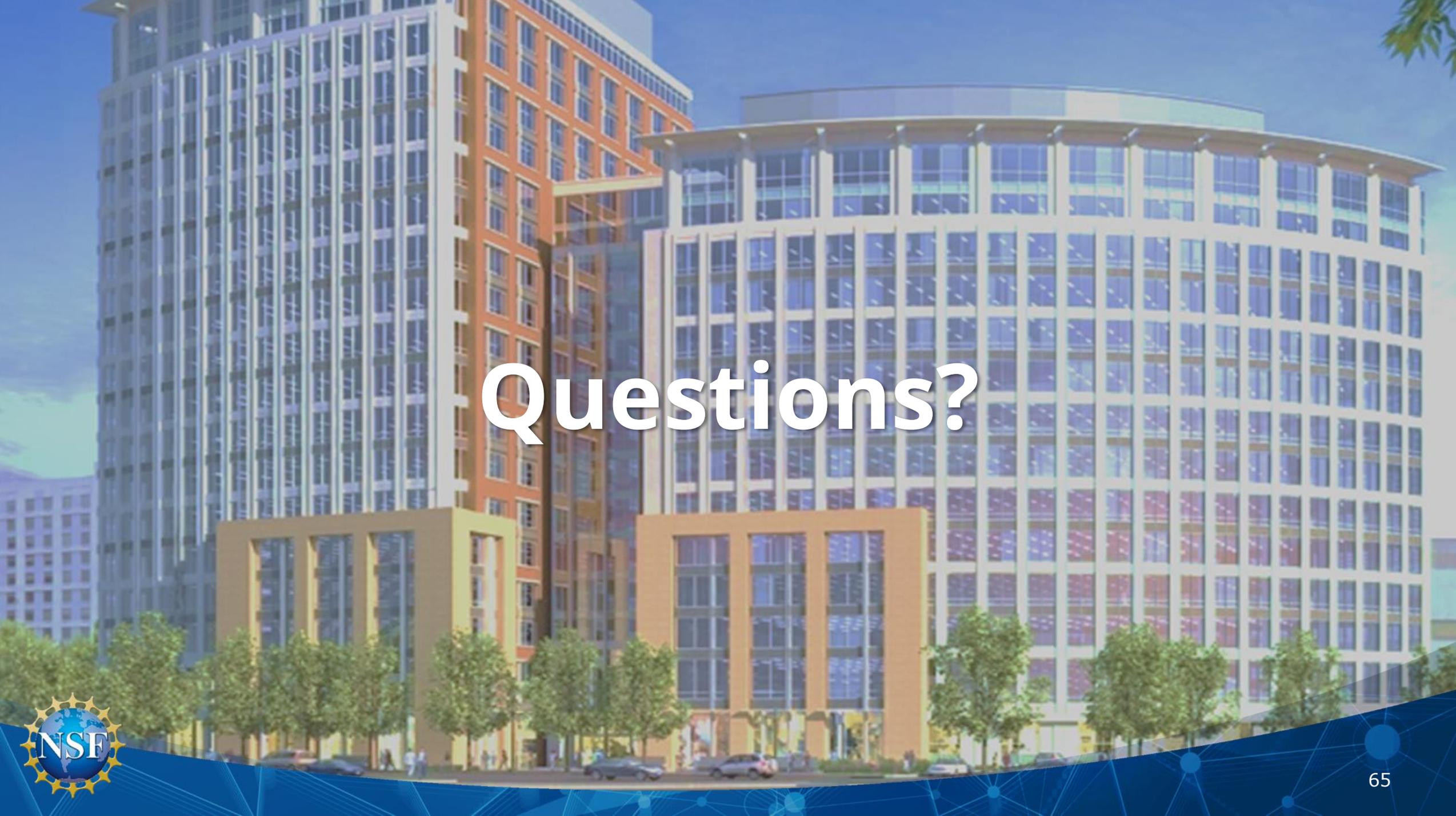
Science Advisor Julie Kellner

Administrative Staff Adama Lamon, Desi Silver

Division of Environmental Biology (DEB)

Evolutionary Processes Matt Heron





Questions?

