



Division of Environmental Biology (DEB) Virtual Office Hour

**Today's topic:
Integrative Research in Biology**

Welcome to the DEB Virtual Office Hour.
We will begin soon.

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

Division of Environmental Biology (DEB) Virtual Office Hour – Welcome!

Program Officers in attendance today

- Matt Herron – Evolutionary Processes (mherron@nsf.gov)
- Kendra McLauchlan – Ecosystem Sciences (kmclauch@nsf.gov)
- Liz Blood- Ecosystem Sciences (eblood@nsf.gov)
- Anne Sylvester- Integrative Organismal Systems (asylvest@nsf.gov)

Facilitators – Christina Washington, Bill Lawson, and Megan Lewis



Recent Solicitations and DCLs

Find links to all recent solicitations and Dear Colleague Letters at the bottom of the DEB webpage (WebSearch: NSF DEB) under Funding Opportunities and Popular Links

Remember – Core DEB solicitation (NSF 21-504) has no deadlines and no submission limits.

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- NSF 21-543 – Integrative Research in Biology - **Deadline March 16**
 - NSF 21-516 – Mid-Career Advancement (MCA) – **Target Date February 1**
 - NSF 21-524 – Navigating the New Arctic (NNA) - **Deadline March 5**
 - NSF 21-546 – Enhancing Discovery through GEnomics Tools (EDGE) – **Deadline March 16**
 - NSF 21-545 – Dimensions of Biodiversity- **Deadline March 26**
 - NSF 21-549 – Center for Advancement and Synthesis of Open Environmental Data and Sciences – **LOI Deadline April 1**
 - DCL 21-021 – Career-Life Balance Supplement
 - DCL 20-038 – Developing New Research Collaborations Between Evolutionary Biologists and LTER Scientists
 - DCL 20-033 – Developing and Supporting the National Ecology Observatory Network (NEON) User Community



DEB Virtual Office Hour

- DEB Office Hours: second Monday of each month, 1-2 pm Eastern
- Today: Integrative Research in Biology (IntBio)

Upcoming Topics:

Feb 10: How to prepare a great budget (*special time 2-3pm
Wednesday Feb 10)

March 8: Beginning Investigators

April 12: How to write a great proposal



Visit our dedicated webpage for DEB Office Hours

<https://deblog.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



 Follow ...



DEB Virtual Office Hour

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- For recently asked questions and future office hour topics, see the DEB blog (<https://debblog.nsfbio.com/>)
- For specific questions about your project, please contact a Program Officer



IntBIO Program Goals

- Scientific: To support *collaborative* scientists for *innovative, integrative* research on fundamental questions that cross different scales of biological organization, using perspectives and approaches from more than one biological *subdiscipline*
- Training: To prepare a *new generation* of scientists who reflect the diversity of the nation and are ready to contribute to future research through *integrative* approaches



Elements of IntBIO Proposals (Solicitation-specific Criteria)

- **Overarching question**
 - Should be addressed through integrative, hypothesis-driven research about function/interaction of biological systems across scales of organization
 - Requires integration across subdisciplines, or development of tools/technology for integrative analysis
- **Synergistic outcomes** from interdependent, integrative components



Elements, continued

- **Graphical illustration** conveys integrated elements and synergistic outcomes
- Description of **investigative team**, including roles and qualifications
- **Training and education plan** that is inclusive and likely to produce new generation of scientists trained in integrative approaches to biological research



IntBIO in the BIO Integration Portfolio

- Integrative biological research defined
 - Spans two or more subdisciplines in biology
 - Incorporates cutting-edge methods, perspectives, and concepts from different biological subdisciplines
 - Produces synergistic outcomes yielding groundbreaking biological discovery
- IntBIO synergizes with other BIO integration activities
 - Postdoctoral Fellowships in Biology
 - Competitive Area 2, Integrative Research Investigation of the Rules of Life Governing Interactions Between Genomes, Environment, and Phenotypes
 - Biology Integration Institutes
 - Except, IntBIO projects would be smaller in scope, bringing together smaller cohort of researchers to focus on probing one system



IntBIO in the BIO Integration Portfolio

- IntBIO replaces the former Rules of Life (RoL) Track in the four divisions' core program solicitations
- IntBIO supports projects that are *not* eligible for review in a *single* divisional core program, some of which are inherently integrative:
 - Integrative Ecological Physiology in the Division of Integrative Organismal Systems
 - Bridging Ecology and Evolution in the Division of Environmental Biology
- **PIs are highly encouraged to send a description of their integrative project ideas to a program officer for feedback on suitability for IntBIO**



Where might you submit your integrative BIO project idea?



**Our Best Advice:
Talk to a Program
Officer!**



IntBIO Proposal Review

- Dedicated review panels will be highly interdisciplinary
- Proposals should be understandable by someone who is not a specialist in the proposed questions, methods, and approaches
- Traditional merit review and solicitation-specific criteria will apply
- Funding decisions expected by late June



For More Information

Email IntBIO@nsf.gov

or

Contact an IntBIO Working Group Member

Karen Cone (MCB)

David Rockcliffe (MCB)

Joanna Shisler (IOS)

Anne Sylvester (IOS)

Liz Blood (DEB)

Matt Herron (DEB)

Reed Beaman (DBI)

Mandy Simcox (DBI)



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