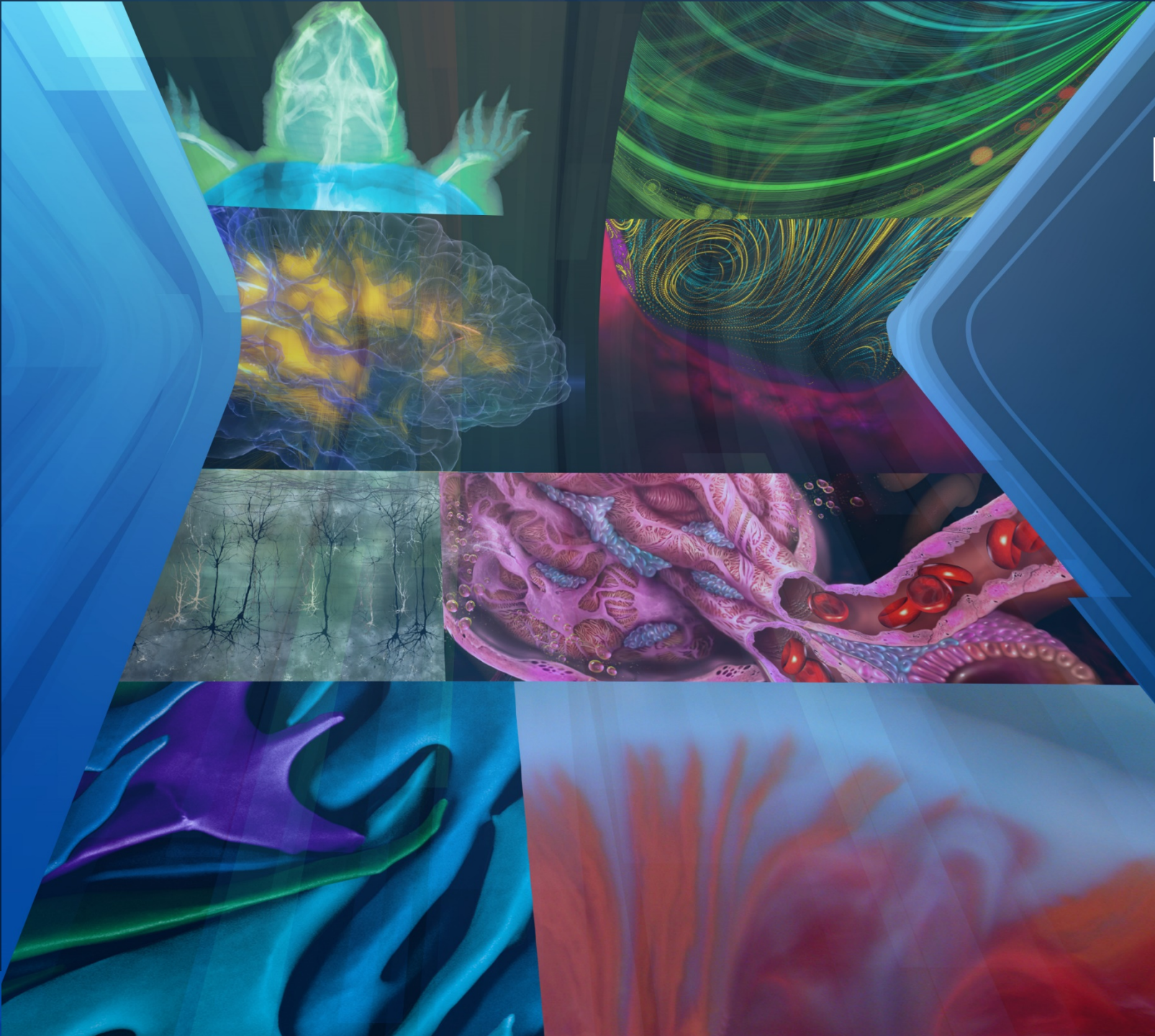


Division of Environmental Biology (DEB) Virtual Office Hour

Today's topic: MSB-NES

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

- Kendra McLauchlan – Ecosystem Sciences (kmclauch@nsf.gov)
- Matt Kane– Ecosystem Sciences (mkane@nsf.gov)
- Matt Herron – Evolutionary Processes (mherron@nsf.gov)
- Christopher Schneider – Systematics and Biodiversity Science (cjschnei@nsf.gov)
- Betsy Von Holle – Population and Community Ecology (mvonholl@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 (20-502) has no deadlines and no submission limits.

- NSF 20-587 - Graduate Research Fellowship Program (GRFP) – Deadline Oct. 19
- NSF 20-506– Macrosystems Biology and NEON-Enabled Science (MSB-NES)- Deadline Nov. 9
- NSF 20-542 - Historically Black Colleges and Universities – Excellence in Research – Deadline Oct. 6
- NSF 20-579 - Dynamics of Integrated Socio-Environmental Systems (DISES)- Deadline Nov. 16
- DCL 20-050 - Critical Aspects of Sustainability (CAS): Micro- and Nanoplastics EAGER proposals
- DCL 20-038 - Developing New Research Collaborations Between Evolutionary Biologists and LTER Scientists
- DCL 19-059 - Research Opportunities Related to Coastlines and People (CoPe)
- DCL 20-033 - Developing and Supporting the National Ecology Observatory Network (NEON) User Community
- NSF 20-532 - Enhancing Discovery through GEnomics Tools (EDGE) – No deadline

DEB Virtual Office Hour

- DEB Office Hours: second Monday of each month, 1-2 pm EST
- Today: Macrosystem Biology and NEON-Enabled Science

Upcoming Topics:

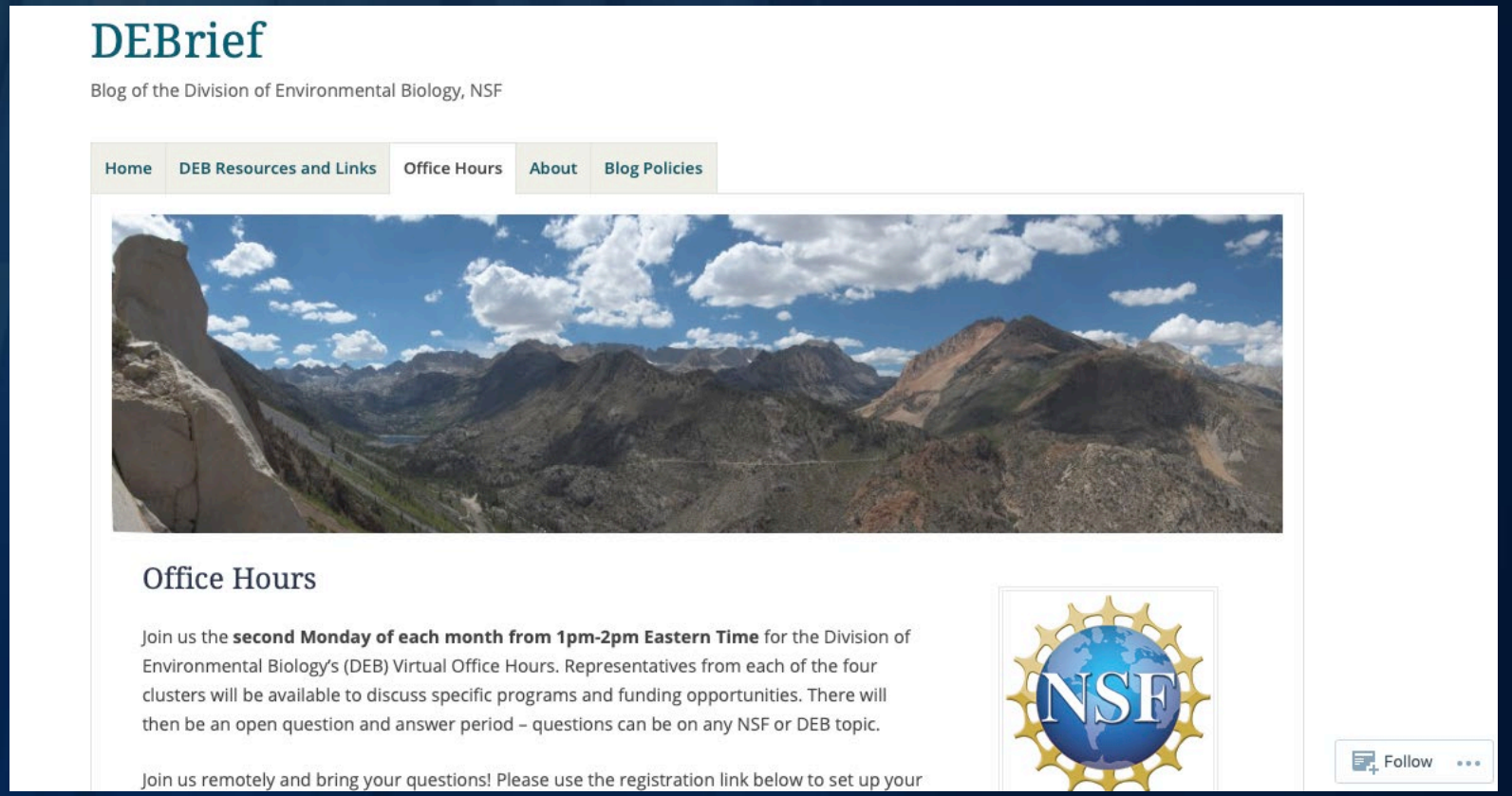
Oct 19: BIO Post Docs

Nov 9: Introduction to DEB

Dec 14: Supplements

New dedicated webpage for DEB Office Hours

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



DEB Virtual Office Hour

Questions:

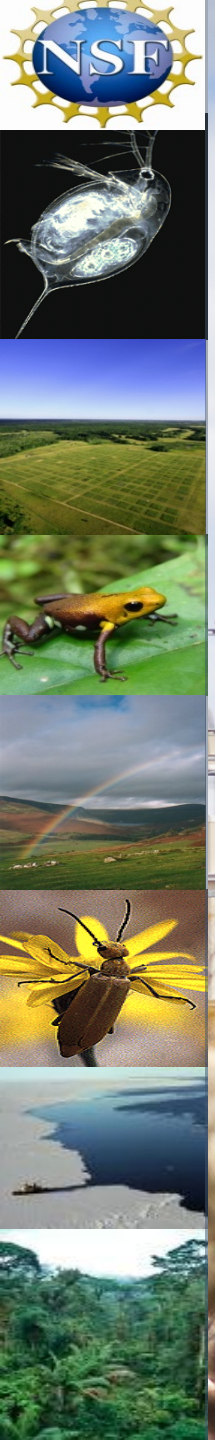
- Submit your questions via the Q&A box on your screen and set to “Send anonymously”
- For recently asked questions and future office hour topics, see the DEB blog (https://debblog.nsfbio.com/)
- For specific questions about your project, please contact a Program Officer

Macrosystems Biology & NEON-Enabled Science (MSB-NES)

National Ecological Observatory Network (NEON)

- Enable regional to continental scale research
- Enable individual and team science
- Democratize and standardize ecological research

- Geographically distributed field and lab infrastructure
- Fully networked research platforms
- Internet accessible, data, computational, analytical, and modeling capabilities



- NEON is revolutionary
- NEON is fully operational
- NEON is increasingly used by the community

www.neonscience.org

About Macrosystems Biology & NEON-Enabled Science

- Major environmental challenges with changing climate, land use, and translocation of species require understanding of patterns, processes and dynamics operating at regional to continental scales.

- The MSB-NES program will support quantitative, interdisciplinary, systems-oriented research on biosphere processes and their complex interactions with climate, land use, and changes in species distribution at regional to continental scales as well as training activities to broaden participation of researchers.

- To find out more about the current solicitation, recent awards, and news, visit **http://bit.ly/MSB-NES**.

About Macrosystems Biology & NEON-Enabled Science

- Solicitation 20-506, due November 9, 2020 (second Monday in Nov. annually thereafter)

- The program continues to welcome proposals for Research Coordination Networks (RCNs) driving convergent science with NEON. Please see https://www.nsf.gov/pubs/2019/nsf19031/nsf19031.jsp for more information.

- Categories of awards:
  - **Macrosystems Research Awards (MRA**). Awards to advance Macrosystems Biology research broadly, including substantively NEON-enabled research, and innovative training to conduct this research. These awards may be up to 5 years in duration; 4 to 7 awards, averaging approximately $1,000,000, are anticipated.
  - **Macrosystems Small Awards (MSA**). Awards employing targeted approaches to advance understanding of regional to continental-scale processes, or addressing a theoretical challenge such as scaling or teleconnections, and prioritizing the use or development of NEON data and/or infrastructure. Proposals from early career investigators remain a priority. These awards will be limited to $300,000 and up to 3 years in duration; 12 to 18 awards are anticipated.

About Macrosystems Biology & NEON-Enabled Science

- Solicitation 20-506, due November 9, 2020
  - Second Monday in Nov. annually thereafter

- Proposers are encouraged to use NEON resources, and proposals for substantive and innovative NEON-enabled research will be prioritized for funding. Substantive NEON-enabled projects rely on data and/or samples collected by NEON, co-locate research activities at NEON sites, and/or develop tools that will explicitly enhance the processing, use, and/or analysis of NEON data or collections within the context of Macrosystems Biology research questions.

DEB Virtual Office Hour

Questions:

- Submit your questions via the Q&A box on your screen and set to “Send anonymously”
- 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 Director

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

Program Officers in attendance today

- Kendra McLauchlan – Ecosystem Sciences (kmclauch@nsf.gov)
- Matt Kane– Ecosystem Sciences (mkane@nsf.gov)
- Matt Herron – Evolutionary Processes (mherron@nsf.gov)
- Christopher Schneider – Systematics and Biodiversity Science (cjschnei@nsf.gov)
- Doug Levey – Population and Community Ecology (dlevey@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 (20-502) has no deadlines and no submission limits.

- NSF 20-587 - Graduate Research Fellowship Program (GRFP) – Deadline Oct. 19
- NSF 20-506– Macrosystems Biology and NEON-Enabled Science (MSB-NES)- Deadline Nov. 9
- NSF 20-542 - Historically Black Colleges and Universities – Excellence in Research – Deadline Oct. 6
- NSF 20-579 - Dynamics of Integrated Socio-Environmental Systems (DISES)- Deadline Nov. 16
- DCL 20-050 - Critical Aspects of Sustainability (CAS): Micro- and Nanoplastics EAGER proposals
- DCL 20-038 - Developing New Research Collaborations Between Evolutionary Biologists and LTER Scientists
- DCL 19-059 - Research Opportunities Related to Coastlines and People (CoPe)
- DCL 20-033 - Developing and Supporting the National Ecology Observatory Network (NEON) User Community
- NSF 20-532 - Enhancing Discovery through GEnomics Tools (EDGE) – No deadline