

Division of Integrative Organismal Systems (IOS) Virtual Office Hour

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

Please submit questions via the Q & A button available to you on Zoom,
set to "Ask Anonymously."



Division of Integrative Organismal Systems (IOS) Virtual Office Hour – Welcome!

Program Directors in attendance today

- Jodie Jawor – Behavioral Systems Cluster & Neural Systems Cluster (for today!) (jjawor@nsf.gov)
- Anne Sylvester – Developmental Systems Cluster (asylvest@nsf.gov)
- Diane Jofuku Okamuro – Plant Genome Research Program (dokamuro@nsf.gov)
- Joanna Shisler – Physiological and Structural Systems (jshisler@nsf.gov)
- Dan Marendia – Postdoctoral Research Fellowship Program (bio-dbi-prfb@nsf.gov)
- John Barthell – Postdoctoral Research Fellowship Program (bio-dbi-prfb@nsf.gov)

Jennifer Visosky – Technical Support



IOS Virtual Office Hour

Questions:

- Submit your questions via the Q&A box on your screen and set to “Ask Anonymously.”
- For recently asked questions and future office hour topics, see the IOS blog (www.iosblog.nsfbio.com)
- For specific questions about your project, please contact a Program Director
- Next IOS Virtual Office Hour: 21 October 2021



IOS Virtual Office Hour

Today's Topics:

- Recent solicitations and Dear Colleague Letters (DCLs)
- Postdoctoral Research Fellowships in Biology
 - Dan Marendia, John Barthell, Matthew Herron (Division of Biological Infrastructure), Diane Jofuku Okamuro (Division of Integrative Organismal Biology)
- Open question and answer period



Recent Solicitations and DCLs

Remember – Core IOS solicitation (21-506) has no deadlines and no submission limits. PBI (20-576) and PGRP (21-507) no deadlines, no limits – **but their own solicitations**

- NSF 20-542 HBCU-Excellence in Research – full proposals **October 5th, 2021**
 - If you submitted an LOI you are eligible to submit a full proposal
- NSF 21-602 Graduate Research Fellowships - **Life Sciences** **October 18th, 2021**
- NSF 21-614 Post-doctoral Research Fellowships in Biology – ***new solicitation!***
- NSF 21-608 Reproducible Cells and Organoids via Directed-Differentiation Encoding (RECODE) - **November 22nd, 2021**
- NSF 21-543 Integrative Research in Biology – **January 25th, 2022** (VOH in October!)
- NSF 21-516 Mid-Career Advancement– Target **February 7th, 2022** (VOH in November!)
- NSF 21-584 Research Experiences for Teachers Sites in Biological Sciences (BIORETS) – **August 1st, 2022** (VOH in December!)



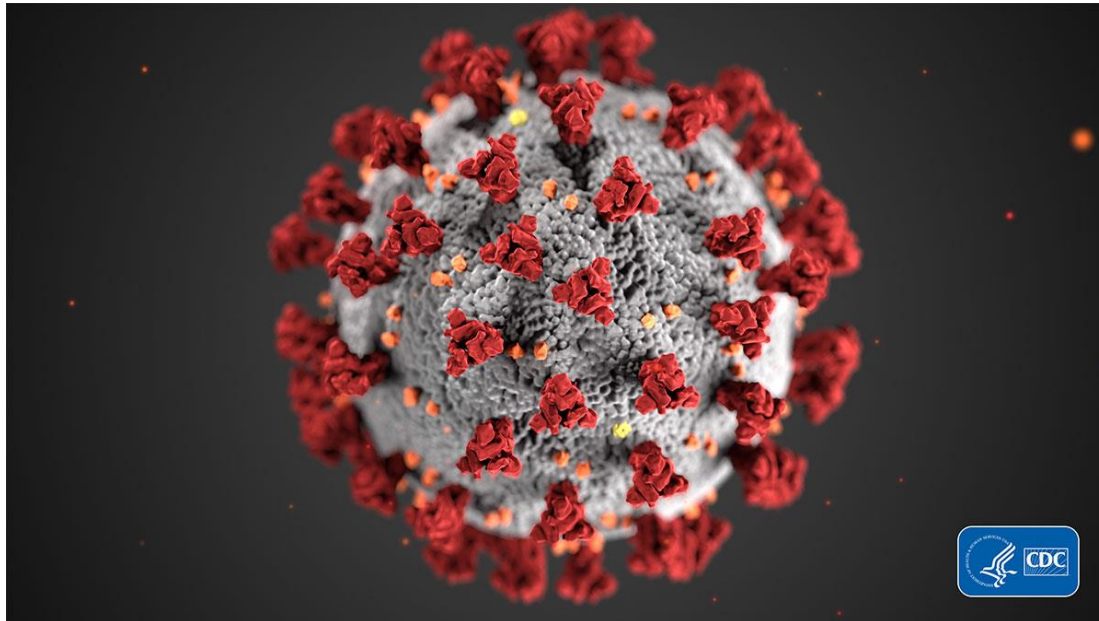


COVID-19



We recognize that developments related to COVID-19 continue to cause havoc and disruption of research programs and lives - *even as things become more normal-ish*. Please see NSF's main page for information related to OMB Memorandum M-20-17 and NSF's implementation of the memorandum, CDC guidance, Department of State travel information, and research-related information:

https://www.nsf.gov/news/special_reports/coronavirus/



Please note: If you have an ongoing award and your research has been impacted by COVID-19 responses at your university or field site please make note of that in your annual reports in the **Changes/Problems section**



NSF Postdoctoral Research Fellowships in Biology (PRFB)

Current solicitation: NSF 21-614

John Barthell, Matthew Herron,
Daniel Marendia, Division of
Biological Infrastructure
Areas 1 and 2

Courtney Jahn, Diane Jofuku Okamuro,
Gerald Schoenknecht,
Division of Integrative Organismal Systems
Area 3



Overview of PRFB

- Goals:
 - Support independent research and training of recent recipients of the doctoral degree
 - Foster human resource development in biology
- Stipend (salary): \$54,000, plus \$15,000 per year for research, training, travel, fringe benefits (e.g., health insurance)
- Duration of fellowship:
 - Areas 1 & 2: Two years or three years if there is a significant international component lasting ~ one year
 - Area 3: Three years
- **Deadline December 6, 2021**



Three Competitive Areas

- **Area 1:** Broadening Participation of Groups Underrepresented in Biology
- **Area 2:** Integrative Research Investigating the Rules of Life Governing Interactions Between Genomes, Environment and Phenotypes
- **Area 3:** Plant Genome Postdoctoral Research Fellowships





Area 1: Broadening Participation of Underrepresented Groups in Biology

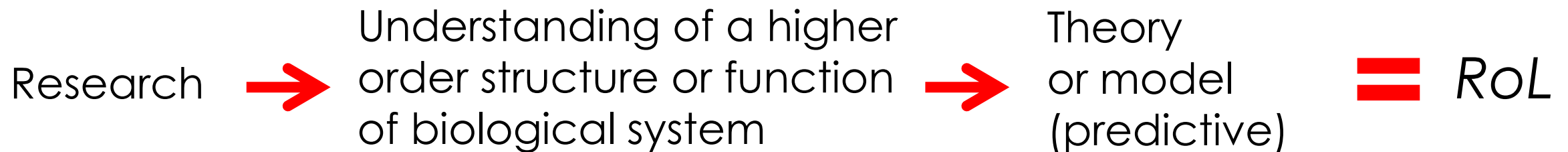
- Any area of research supported by NSF BIO directorate
- Activities to promote broadening participation of underrepresented groups explicitly at the postdoctoral level
 - Underrepresented in biology: Black or African American, Hispanic/Latinx, Native American (Alaska Native, Native Hawaiian, Other Native Pacific Islander) and persons with disabilities
- You do not have to be from an underrepresented group to apply (NSF does not prevent any application to any program based on race or ethnicity)



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



- Involve multiple sub-disciplines of biology
- Span across scales on the continuum of molecules to ecosystems
- Use different methodologies
- Genotype X Environment = Phenotype



Area 3: Plant Genome Postdoctoral Research Fellowships



- Formerly called the National Plant Genome Initiative (NPGI) Postdoctoral Research Fellowships program
- Research and training must address important scientific questions that fall within the scope of the Plant Genome Research Program (PGRP)
- Overarching Goals of the PGRP:
 - To investigate the **structure and function of plant genomes**, focusing on generating and integrating large scale datasets to provide a comprehensive understanding relevant to economically important plants and plant processes of economic value; and,
 - To develop innovative **tools, technologies and resources** that are essential to drive plant functional genomics forward.



Program Eligibility

- You must:
 - Be a US citizen, national, or permanent resident at the time of application
 - Have a PhD in an appropriate field before starting the fellowship
 - you can apply while still a graduate student or as a beginning postdoc (**maximum of 15 months tenure** in a position requiring a PhD)
- You must NOT:
 - Submit the same research project to another NSF postdoctoral fellowship program



Program changes from last solicitation

- Eligibility criterion has been revised such that applicants are not eligible for this fellowship if they have worked in any position that requires the doctoral degree for a combined total of more than 15 full time months prior to the deadline for all Competitive Areas.
- One of the reference letters may, but no longer *must*, come from the Applicants' doctoral advisor.



Preparing a competitive application

- Read the solicitation!
- Write a clear compelling research project aligned with the NSF purview of basic biology research (not medical) and the requirements of a specific Competitive Area
- Propose to work at a different institution with a new mentor
 - Promote scientific growth
- Present a training plan to enhance scientific and professional development
 - Tailored to career goals



IOS Virtual Office Hour

Questions:

- Submit your questions via the Q&A box on your screen and set to “Ask Anonymously.”
- For recently asked questions and future office hour topics, see the IOS blog (www.iosblog.nsfbio.com)
- For specific questions about your project, please contact a Program Director
- Next IOS Virtual Office Hour: 21 October 2021



Recent Solicitations and DCLs

Remember – Core IOS solicitation (21-506) has no deadlines and no submission limits. PBI (20-576) and PGRP (21-507) no deadlines, no limits – **but their own solicitations**

- NSF 20-542 HBCU-Excellence in Research – full proposals **October 5th, 2021**
 - If you submitted an LOI you are eligible to submit a full proposal
- NSF 21-602 Graduate Research Fellowships - **Life Sciences** **October 18th, 2021**
- NSF 21-614 Post-doctoral Research Fellowships in Biology – ***new solicitation!***
- NSF 21-608 Reproducible Cells and Organoids via Directed-Differentiation Encoding (RECODE) - **November 22nd, 2021**
- NSF 21-543 Integrative Research in Biology – **January 25th, 2022** (VOH in October!)
- NSF 21-516 Mid-Career Advancement– Target **February 7th, 2022** (VOH in November!)
- NSF 21-584 Research Experiences for Teachers Sites in Biological Sciences (BIORETS) – **August 1st, 2022** (VOH in December!)



Division of Integrative Organismal Systems (IOS) Virtual Office Hour – Welcome!

Program Directors in attendance today

- Jodie Jawor – Behavioral Systems Cluster (jjawor@nsf.gov)
- Anne Sylvester – Developmental Systems Cluster (asylvest@nsf.gov)
- Evan Balaban – Neural Systems Cluster (ebalaban@nsf.gov)
- Diane Jofuku Okamuro – Plant Genome Research Program (dokamuro@nsf.gov)
- Joanna Shisler – Physiological and Structural Systems (jshisler@nsf.gov)

Post-doctoral Research Fellowship in Biology Questions

- **Areas 1 or 2:** bio-dbi-prfb@nsf.gov
- **Area 3:** dbipgr@nsf.gov

