



**Biology Integration Institutes 2022 Awardees Meeting**  
**National Science Foundation**  
**Directorate of Biological Sciences**

Zoom Link:

<https://nsf.zoomgov.com/j/1611186556?pwd=V2lIM0lJNVBWMFNMeWFxeHBzeC8vQT09&from=addon>

**Meeting ID:** 161 118 6556

**Passcode:** 027598

**Phone:** 669 254 5252

**Tuesday, October 18, 2022 (Times given for Eastern Daylight Time)**

<b>9:30 am – 9:45 am</b>	<b>Sign in for Zoom meeting</b>
<b>10:00 am – 10:15 am</b>	<b>Welcome from the Directorate of Biological Sciences – Theresa Good Statement of Purpose and Agenda Overview, Pat Soranno</b>
<b>10:15 am – 10:45 am</b>	<b>Presentations from the 2020 Institutes – Project Overviews</b> (5 mins per presentation; Moderator: Sam Scheiner)  <u>Virginia Rich</u> – The EMERGE Institute: Identifying EMergent Ecosystem Responses through Genes-to-Ecosystems Integration at Stordalen Mire  <u>Rachel Whitaker</u> – GEMS: Genomics and eco-evolution of multi-scale symbioses  <u>Fabrizio Gabbiani</u> – Behavioral Plasticity Research Institute (BPRI): Transforming the Study of Phenotypic Plasticity through Biological Integration  <u>Jeannine Cavender-Bares</u> – The causes and consequences of plant biodiversity across scales in a rapidly changing world  10 Minute Q&A for all groups
<b>11:00 am – 11:40 am</b>	<b>Presentations from the 2021 Institutes</b> (5 mins per presentation; Moderator: Jodie Jawor)  <u>Michael Lynch</u> – Mechanisms of Cellular Evolution  <u>Ruben Ceballos</u> – Host-Virus Evolutionary Dynamics Institute (HVEDI)  <u>Allison Miller</u> – New Roots for Restoration: integrating plant traits, communities, and the soil ecosphere to advance restoration of natural and agricultural systems  <u>David Umulis</u> – Emergent Mechanisms in Biology of Robustness, Integration & Organization (EMBRIO)  <u>Susan VandeWoude</u> – Regional OneHealth Aerobiome Discovery Network (BROADN)  <u>Corinne Richards-Zawacki</u> – Uncovering mechanisms of amphibian resilience to global change from molecules to landscapes  10 Minute Q&A for all groups
<b>11:40 pm – 12:30 pm</b>	<b>Lunch</b>
<b>12:30 pm – 1:00 pm</b>	<b>Presentations from the 2022 Institutes</b> (5 min for presentations; Moderator: Diane Jofuku Okamura)  <u>Sue Rhee</u> – Life without water: protecting macromolecules, cells and organisms during desiccation and rehydration across kingdoms of life  <u>Nicole Riddle</u> – SAGE: Discovering the mechanisms and evolution of aging differences between females and males

	<p><u>Michele Nishiguchi</u> – INSITE: Institute for Symbiotic Interactions, Teaching and Education in the Face of a Changing Climate</p> <p><u>Colin Carlson</u> – Predicting the global host-virus network from Molecular foundations</p> <p>10 Minute Q&amp;A for all groups</p>
<b>1:00 pm – 1:30 pm</b>	<p><b>Project Oversight for BII from the NSF</b> – Jennifer Weller</p> <ul style="list-style-type: none"> <li>- Annual report templates</li> <li>- Blocking of award actions</li> <li>- Expected documents in first year: (BP plan, Strategic Plan, Governance)</li> <li>- NSF expectations about Project Management</li> </ul> <p>Site visits</p>
<b>1:30 pm – 2:00 pm</b>	<b>Break</b>
<b>2:00 pm – 3:00 pm</b>	<p><b>Breakout Sessions: Lessons Learned</b> (Moderator: Steve DiFazio)  What has been working? What looked good but did not work?  Projects assign a point person to attend each breakout group.  Each session appoints a moderator. Each session assigns a notetaker. Notes are posted to a Google Docs folder.</p> <p><b><u>TOPIC #1:</u> Running a complex project</b></p> <p><b><u>TOPIC #2:</u> Creating an institute culture</b></p> <p><b><u>TOPIC #3:</u> Data management and data access</b></p> <p><b><u>TOPIC #4:</u> Integration challenges</b></p> <p><b><u>TOPIC #5:</u> Integration through modeling</b></p> <p><b><u>TOPIC #6:</u> Project evaluation</b></p> <p><b><u>TOPIC #7:</u> Promoting early career advancement</b></p> <p><b><u>TOPIC #8:</u> Enhancing diversity, equity, and inclusion</b></p>
<b>3:00 pm – 3:45 pm</b>	<p><b>BII management challenges and solutions</b> (Moderator: Reed Beaman)</p> <ul style="list-style-type: none"> <li>- Panel of Representatives from the 2020 project cohort</li> </ul>
<b>3:45 pm – 5:00 pm</b>	<p><b>Mixer in Gather.town</b> - Steve DiFazio</p> <ul style="list-style-type: none"> <li>- Job fair</li> <li>- Consultation with NSF program officers</li> <li>- Space to continue small group discussions (self organized)</li> <li>- Poster previews</li> </ul>
<b>5:00 pm – 6:00 pm</b>	<b>Offline: Participants post topics (on GoogleDocs) for Breakout Sessions on Wednesday.</b>

(continue to Day 2 on next page)

**Wednesday, October 19, 2022**

9:45 am	<b>Sign in for</b> Zoom meeting (same link as above)
10:00 am – 10:05 am	<b>Greetings and Updates</b> , Reed Beaman
10:05 am – 11:00 am	<b>Team Science</b> (Moderator: Sam Scheiner) <b>Speaker: Dr. Jeni Cross, Colorado State University</b> <b>The Science of Team Science: Horror Stories and What Not to Do</b> Wondering how your team can be the best? Learning from the mistakes of others, Dr. Cross will present several case studies of teams gone awry and how adopting best practices from the Science of Team Science could have prevented these team disasters. We will discuss 10 specific characteristics and habits of successful integrative science teams.
11:00 am – 11:45 pm	<b>Education and Outreach Success Stories</b> (Moderator: Wilson Francisco) <u>Contributed by project representatives</u>  Q&A
11:45 pm – 12:15 pm	<b>LUNCH BREAK</b> <b>Gather Town Mixer</b>
12:15 pm – 2:30 pm	<b>Poster Sessions in Gather Town</b> (Moderator: Steve DiFazio)  <b>12:30pm -1:30pm. Presenters of even-numbered posters available for questions</b>  <b>1:30pm – 2:30pm. Presenters of odd-numbered posters available for questions.</b>
2:30 pm – 2:45 pm	<b>Break</b> <b>Job Forum ‘Live’ in Gather Town</b>
2:45 pm – 3:45 pm	<b>Emerging Issues Breakouts:</b> Topics determined by participants earlier in the meeting. Each session appoints a moderator. Each session assigns a notetaker. Notes are posted to a Google Docs folder.  <b><u>TOPIC #1:</u> TBD</b> <b><u>TOPIC #2:</u> TBD</b> <b><u>TOPIC #3:</u> TBD</b> <b><u>TOPIC #4:</u> TBD</b> <b><u>TOPIC #5:</u> TBD</b> <b><u>TOPIC #6:</u> TBD</b> <b><u>TOPIC #7:</u> TBD</b> <b><u>TOPIC #8:</u> TBD</b>
3:45 pm – 4:00pm	<b>Closing comments – NSF Biology Integration Institutes Working Group</b>
4:00 pm – 5:00 pm	<b>Gather Town mixer</b> <ul style="list-style-type: none"><li>- Job fair</li><li>- Consultation with NSF program officers</li><li>- Space to continue small group discussions (self organized)</li><li>- Poster previews</li></ul> <b>Suggestion Box open in Google Docs for next year’s meeting</b>