

## DAY 1: Wednesday, February 2<sup>nd</sup>

### Eastern Time

Time	Topic	Speaker(s)
11:00–11:05 AM <b>Eastern</b>	<b>Welcome</b> – <i>What Are GEMs and Why Are They Important?</i>	Anastasia Bodnar (USDA-OCE)
11:05–11:20 AM ET	<b>Regulatory Overview</b> – <i>What is the Coordinated Framework?</i>	Sally McCammon (USDA-APHIS)
11:20–11:50 AM ET	<b>Panel</b> – <i>GEMs in Food and Agriculture</i>	Kate Krueger (Helikon Consulting), Bruce Friedrich (Good Food Institute), Bjorn Traag (Andes Ag), and Guillaume Barbier (JoynBio)  <b>Moderator:</b> Jenny Splitter (Independent journalist)
11:50 AM–12:35 PM ET	<b>Regulatory Overview</b> – <i>FDA Food and Feed Safety</i>	Shayla West-Barnette (CFSAN) and Diego Paiva (CVM)
12:35–1:20 PM ET	<b>Regulatory Overview</b> – <i>USDA Food and Agriculture</i>	Martha Malapi-Wight (APHIS-BRS) and John Hicks (FSIS)
1:20–1:50 PM ET	<b>Break</b>	<a href="https://pollev.com/igipoll">pollev.com/igipoll</a>
1:50–2:25 PM ET	<b>Panel</b> – <i>GEMs in the Environment and Biomanufacturing</i>	Kent Smith (bioMASON), Spencer Diamond (IGI), and Jay Fitzgerald (DOE)  <b>Moderator:</b> Julie Shapiro (Keystone Policy Center)
2:25–3:05 PM ET	<b>Regulatory Overview</b> – <i>EPA Pesticides and Industrial Uses</i>	Kara Welch (OPP) and Gwen McClung (OPPT)
3:05–3:45 PM ET	<b>Panel</b> – <i>Scientific Advances and the Future of GEMs</i>	Megan Palmer (Stanford University), David Savage (IGI), Rodolphe Barrangou (NC State), and Anne Cheever (DARPA)  <b>Moderator:</b> Andrea Hodgson (Schmidt Futures)
3:45–4:15 PM ET	<b>Q&amp;A   Discussion</b>	Melinda Kliegman (IGI)
4:15–4:20 PM ET	<b>Closing</b>	Melinda Kliegman (IGI)

## DAY 2: Thursday, February 3<sup>rd</sup>

### Eastern Time

Time	Topic	Speaker(s)
11:00–11:05 AM <b>Eastern</b>	<b>Welcome</b> – <i>Summary of Day 1, Intro to Day 2</i>	Melinda Kliegman (IGI)
11:05–11:20 AM ET	<b>Regulatory Overview</b> – <i>GEMs in the Bioengineered Food Disclosure Standard</i>	Alex Fischer (USDA-AMS)
11:20–11:35 AM ET	<b>Trade &amp; Markets Overview</b> – <i>GEMs in International Trade</i>	Jen Rowland (USDA-FAS)
11:35 AM–12:05 PM ET	<b>Panel</b> – <i>Societal Engagement and Public Education</i>	Jennifer Kuzma (NC State), Charles Denby (Berkeley Yeast), and Charlie Arnot (CFI) <b>Moderator:</b> Brittany Anderton (Science Communication Lab)
12:05–12:30 PM ET	<b>Q&amp;A   Discussion</b>	Melinda Kliegman (IGI)
12:30–1:00 PM ET	<b>Break</b>	<a href="http://pollev.com/igipoll">pollev.com/igipoll</a>
1:00–1:05 PM ET	<b>Case Study #1</b> – <i>Biofertilizer</i> Genetically Engineered <i>Azospirillum brasilense</i> for Extended Ammonia Production	Kellye Eversole (Phytobiomes Alliance)
1:05–1:30 PM ET	Overview of Technology	Tim Schnabel (Stanford University) and Myles Herbert (Indigo Ag)
1:30–1:50 PM ET	APHIS Response	Subray Hegde (APHIS-BRS)
1:50–2:10 PM ET	EPA Response	Gwen McClung (OPPT)
2:10–2:25 PM ET	<b>Q&amp;A   Discussion</b>	Kellye Eversole (Phytobiomes Alliance)
2:25–2:35 PM ET	<b>Break</b>	<b>*Additional sessions on next page</b>



## DAY 2 (continued): Thursday, February 3<sup>rd</sup>

### Eastern Time

Time	Topic	Speaker(s)
2:35–2:40 PM ET	<b>Case Study #2 – Biopesticide</b> Genetically Engineered <i>Trichoderma harzianum</i> (hypothetical)	Kellye Eversole (Phytobiomes Alliance)
2:40–3:05 PM ET	Overview of Technology	Carly Odynsky (Joyn Bio)
3:05–3:25 PM ET	EPA Response	Kara Welch (OPP)
3:25–3:45 PM ET	APHIS Response	Subray Hegde (APHIS-BRS)
3:45–4:00 PM ET	<b>Q&amp;A   Discussion</b>	Kellye Eversole (Phytobiomes Alliance)
4:00–4:05 PM ET	<b>Case Study Wrap-Up</b>	Kellye Eversole (Phytobiomes Alliance)
4:05–4:15 PM ET	<b>Workshop Closing</b>	Anastasia Bodnar (USDA-OCE)