

DAY 1: Wednesday, February 2nd

Pacific Time

Time	Topic	Speaker(s)
8:00–8:05 AM Pacific	Welcome – <i>What Are GEMs and Why Are They Important?</i>	Anastasia Bodnar (USDA-OCE)
8:05–8:20 AM PT	Regulatory Overview – <i>What is the Coordinated Framework?</i>	Sally McCammon (USDA-APHIS)
8:20–8:50 AM PT	Panel – <i>GEMs in Food and Agriculture</i>	Kate Krueger (Helikon Consulting), Bruce Friedrich (Good Food Institute), Bjorn Traag (Andes Ag), and Guillaume Barbier (JoynBio) Moderator: Jenny Splitter (Independent journalist)
8:50–9:35 AM PT	Regulatory Overview – <i>FDA Food and Feed Safety</i>	Shayla West-Barnette (CFRAN) and Diego Paiva (CVM)
9:35–10:20 AM PT	Regulatory Overview – <i>USDA Food and Agriculture</i>	Martha Malapi-Wight (APHIS-BRS) and John Hicks (FSIS)
10:20–10:50 AM PT	Break	pollev.com/igipoll
10:50–11:25 AM PT	Panel – <i>GEMs in the Environment and Biomanufacturing</i>	Kent Smith (bioMASON), Spencer Diamond (IGI), and Jay Fitzgerald (DOE) Moderator: Julie Shapiro (Keystone Policy Center)
11:25 AM–12:05 PM PT	Regulatory Overview – <i>EPA Pesticides and Industrial Uses</i>	Kara Welch (OPP) and Gwen McClung (OPPT)
12:05–12:45 PM PT	Panel – <i>Scientific Advances and the Future of GEMs</i>	Megan Palmer (Stanford University), David Savage (IGI), Rodolphe Barrangou (NC State), and Anne Cheever (DARPA) Moderator: Andrea Hodgson (Schmidt Futures)
12:45–1:15 PM PT	Q&A Discussion	Melinda Kliegman (IGI)
1:15–1:20 PM PT	Closing	Melinda Kliegman (IGI)

DAY 2: Thursday, February 3rd

Pacific Time

Time	Topic	Speaker(s)
8:00–8:05 AM Pacific	Welcome – <i>Summary of Day 1, Intro to Day 2</i>	Melinda Kliegman (IGI)
8:05–8:20 AM PT	Regulatory Overview – <i>GEMs in the Bioengineered Food Disclosure Standard</i>	Alex Fischer (USDA-AMS)
8:20–8:35 AM PT	Trade & Markets Overview – <i>GEMs in International Trade</i>	Jen Rowland (USDA-FAS)
8:35–9:05 AM PT	Panel – <i>Societal Engagement and Public Education</i>	Jennifer Kuzma (NC State), Charles Denby (Berkeley Yeast), and Charlie Arnot (CFI) Moderator: Brittany Anderton (Science Communication Lab)
9:05–9:30 AM PT	Q&A Discussion	Melinda Kliegman (IGI)
9:30–10:00 AM PT	Break	pollev.com/igipoll
10:00–10:05 AM PT	Case Study #1 – <i>Biofertilizer</i> Genetically Engineered <i>Azospirillum brasilense</i> for Extended Ammonia Production	Kellye Eversole (Phytobiomes Alliance)
10:05–10:30 AM PT	Overview of Technology	Tim Schnabel (Stanford University) and Myles Herbert (Indigo Ag)
10:30–10:50 AM PT	APHIS Response	Subray Hegde (APHIS-BRS)
10:50–11:10 AM PT	EPA Response	Gwen McClung (OPPT)
11:10–11:25 AM PT	Q&A Discussion	Kellye Eversole (Phytobiomes Alliance)
11:25–11:35 AM PT	Break	*Additional sessions on next page



DAY 2 (continued): Thursday, February 3rd

Pacific Time

Time	Topic	Speaker(s)
11:35–11:40 AM PT	Case Study #2 – Biopesticide Genetically Engineered <i>Trichoderma harzianum</i> (hypothetical)	Kellye Eversole (Phytobiomes Alliance)
11:40 AM–12:05 PM PT	Overview of Technology	Carly Odynsky (Joyn Bio)
12:05–12:25 PM PT	EPA Response	Kara Welch (OPP)
12:25–12:45 PM PT	APHIS Response	Subray Hegde (APHIS-BRS)
12:45–1:00 PM PT	Q&A Discussion	Kellye Eversole (Phytobiomes Alliance)
1:00–1:05 PM PT	Case Study Wrap-Up	Kellye Eversole (Phytobiomes Alliance)
1:05–1:15 PM PT	Workshop Closing	Anastasia Bodnar (USDA-OCE)