

## Outlining Foundational Studies to Address Key Uncertainties for Genome-Edited Microbes

**Monday, June 5th Welcome Reception 6:00-8:00 pm**

*Stateview Hotel on Centennial Campus, Raleigh*

**Tuesday June 6, 2023 8:30am- 5:00pm**

**Wednesday, June 7, 2023 8:30am- 3:00pm**

*Plant Sciences Building, Seminar Room 1322C, North Carolina State University, Raleigh, NC*

**3:00-5:00pm (optional)**

*Howling Cow Dairy Education Center and Creamery, 100 Dairy Lane, Raleigh, NC 27603*

**Day 1: Theme for the morning: presentations, setting the table**

**Theme for the afternoon: working session - scoping of the fundamental studies with the case study as inspiration.**

Topic	Speaker	Scheduled
Continental Breakfast <i>Seating is available on the outdoor patio.</i>	Carrie Rogers	8:30 - 9:00am
Welcome and anti-trust statement	Danesha Seth Carley	9:00 - 9:05am
Setting the Scene and Urgency	Randy Deinhammer	9:05 - 9:15am
Where have we come from / where are we headed?	Rodolphe Barrangou	9:15 - 9:30am
Presentation of Case Study: DOE funded grant on <b>"Soil Microbiome Editing and Impact to Plant Health"</b> – mCAFEs 10-year funded research	Rodolphe Barrangou	9:30 - 11:00am
BREAK		11:00 - 11:15am
BRS presentation: what is in scope and out of scope?	Subray Hedge	11:15 - 11:45am
Societal and Governance Dimensions of GMOs	Jennifer Kuzma	11:45 - 12:15pm
LUNCH <i>Seating for lunch is available on the patio.</i>		12:30 - 1:30pm
DOE study gap analysis: what is relevant and what needs to be included or expanded to meet BRS and industry needs?	All / Facilitated by Susanne Kjemtrup	1:30 – 2:45pm
BREAK	All	2:45-3:00pm
Continue discussion on DOE study	All / Facilitated by Susanne Kjemtrup	3:00-5:00pm

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**Day 2: Theme for the day: continue gap analysis. Prepare “straw person” model of the desired research that will address BRS and industry needs**

Topic	Speaker	Scheduled
Continental Breakfast <i>Seating is available on the patio.</i>		8:30-9:00am
Brief review of day 1	Rodolphe Barrangou	9:00-9:15am
Continue “KEyS”/gap analysis (breakout groups); Turn gaps into questions	All / Facilitated by Susanne Kjemtrup	9:15-12:30pm
LUNCH <i>Seating for lunch is available on the patio.</i>		12:30-1:30pm
Create “straw person” model of desired fundamental research	All / Facilitated by Susanne Kjemtrup	1:30-2:30pm
Conclusion and Thank You		2:30-2:45pm
Depart from PSI to go to Lake Wheeler Labs	(Optional)	2:45-3:00pm
Visit to NCSU Wheeler Road Ag Field (optional) and ice cream at Howling Cow Creamery	Bridget Lassiter, Rachel Vann, Kelly Patterson	3:15-5:00pm