

## AGENDA AT A GLANCE

- Draft -

### Tuesday, June 18, 2019

7:00 am – 8:00 am **Registration, Continental Breakfast, Poster Session**

8:00 am – 8:15 am **Welcome – Dave Corsi**, Chair, Board of Directors, Center for Produce Safety

8:15 am – 9:00 am **Romaine Outbreaks: Perspectives and Moving Forward**

Panelists: **Dave Corsi**, Wegmans Food Markets  
**Michael Robach**, The Robach Group LLC  
**Mike Taylor**, Stop Foodborne Illness, Meridian Institute  
**Tim York**, Markon Cooperative

Moderator: **Cathy Burns**, Produce Marketing Association

9:00 am – 10:00 am **Romaine Outbreaks: What should the science have told us? How is the science leading us toward solutions?**

Moderators: **Jennifer McEntire**, United Fresh Produce Association  
**Bob Whitaker**, Produce Marketing Association

Panelists: **Samir Assar**, US Food and Drug Administration  
**Natalie Dyenson**, Dole Food Company, Inc.  
**Channah Rock**, University of Arizona  
**Martin Wiedmann**, Cornell University

#### **Lightning Report – What lies ahead in CPS Research**

Simulation analysis of in-field produce sampling for risk-based sampling plan development. **Matthew Stasiewicz**, University of Illinois

Exploring the relationship between product testing and risk. **Emma Hartnett**, Risk Sciences, Int'l

Towards a decision-support tool for identifying and mitigating on-farm risks to food safety. **Jeff McGarvey**, USDA ARS

**10:00 am – 10:30 am BREAK**

10:30 am – 12:20 pm **Research Session 1 – Agricultural Water**

Moderators: **Hank Giclas**, Western Growers  
**Juan Anciso**, Texas A&M AgriLife Extension

FSMA agricultural-water die-off compliance provisions benefit from condition-specific modifiers. **Renata Ivanek**, Cornell University

Application of chitosan microparticles to eliminate foodborne pathogens in agricultural water that contacts fresh produce. **Anita Wright**, University of Florida

Establishment of operating standards for produce wash systems through the identification of specific metrics and test methods. **Mabel Gil**, CEBAS-CSIC, Spain

*Cyclospora*: Potential reservoirs and occurrence in irrigation waters.  
**Gerardo Lopez**, University of Arizona

Remotely-sensed and field-collected hydrological, landscape and weather data can predict the quality of surface water used for produce production.  
**Martin Wiedmann**, Cornell University

#### **Lightning Report – What lies ahead in CPS Research**

Development of a model to predict the impact of sediments on microbial irrigation water quality. **Charles Gerba**, University of Arizona

*Cyclospora* prevalence in irrigation water in fresh produce growing regions.  
**Gerardo Lopez**, University of Arizona

**12:20 pm – 1:40 pm**

**LUNCH**

**1:40 pm – 3:30 pm**

**Research Session 2 – Produce Safety at the Field Level**

Moderators: **Suresh DeCosta**, Lipman Family Farms  
**Afreen Malik**, International Food Safety and Quality Services

Engineering and ecological approaches reduce Pacific tree frog intrusion into leafy green agriculture. **Michelle Green**, University of South Florida, St. Petersburg

The effects of storage conditions and the natural microbiome of nontraditional salad ingredients on the fate of *Listeria monocytogenes*. **Amanda Lathrop**, California Polytechnic State University, San Luis Obispo

Use of raptors to prevent wild bird and rodent intrusion into fresh produce fields.  
**Paula Rivadeneira**, University of Arizona

Scientifically valid corrective actions for multiple harvest shade-house production systems. **Trevor Suslow**, University of California, Davis

Establishment of vegetative buffer zones to reduce the risk of STEC and *Salmonella* transmission from animal operations to fresh produce on co-managed farms. **Sid Thakur**, North Carolina State University

**3:30 pm – 4:00 pm**

**BREAK**

**4:00 pm – 5:00 pm**

**CPS Research Program – What is it all about?**

Moderators: **Drew McDonald**, Taylor Fresh Foods  
**Bonnie Fernandez-Fenaroli**, Center for Produce Safety

#### **Lightning Report – What lies ahead in CPS Research**

Identifying competitive exclusion microorganisms against *Listeria monocytogenes* from biological soil amendments by metagenomic, metatranscriptomic, and culturing approaches. **Xiuping Jiang**, Clemson University

Modelling tools for design of science-based *Listeria* environmental monitoring programs and corrective action strategies. **Renata Ivanek**, Cornell University

A systematic review of *Listeria* growth and survival on fruit and vegetable surfaces: responding to critical knowledge gaps. **Laura Strawn**, Virginia Tech

*L. monocytogenes* growth potential, kinetics, and factors affecting its persistence on a broad range of fresh produce. **Xiangwu Nou**, USDA ARS Beltsville

UA Ag Water app-language expansion and practical grower-inspired improvements. **Channah Rock**, University of Arizona

**5:00 pm – 7:00 pm Symposium Reception**

**Wednesday, June 19, 2019**

**7:00 am – 8:00 am** Registration, Continental Breakfast, Poster Sessions

**8:00 am – 8:15 am Welcome Back – Jimmy Bassetti**, J&D Produce

**8:15 am – 9:15 am General Session – A View from the Industry Perspective**

Panelists: **Donna Lynn Browne**, Naturipe Farms LLC  
**Suresh DeCosta**, Lipman Family Farms  
**De Ann Davis**, Church Brothers Farms  
**Walter Ram**, Giumarra  
**Steve Warshawer**, Winrock

Moderator: **Doug Grant**, The Oppenheimer Group

**9:15 am – 9:35 am Travel Grant Award Recipients**

Moderator: **Tony DiMare**, The DiMare Company

**9:35 am – 10:05 am BREAK**

**10:05 am – 11:55 am Research Session 3 – Development of Microbiological Tools**

Moderators: **Jennifer McEntire**, United Fresh Produce Association  
**Angela Valadez**, Publix

Metagenomics to identify viral indicators in the produce chain. **Gloria Sánchez-Moragas**, IATA-CSIC, Spain

*Listeria* whole genome sequence data reference sets are needed to allow for improved persistence assessment and source tracking. **Martin Wiedmann**, Cornell University

Developing cross-assembly phage as a viral indicator for irrigation waters. **Kyle Bibby**, University of Notre Dame

Detection, validation, and assessment of risks implied by the viable but non-culturable (VBNC) state of enteric bacterial pathogens in fresh produce. **Xiaonan Lu**, University of British Columbia

Rechargeable antimicrobial and antifouling plastics for improved cleaning and sanitation of plastic bins and totes. **Gang Sun**, University of California, Davis

**Lightning Report – What lies ahead in CPS Research**

Significance of sanitizers on induction of viable but non-cultivable (VBNC) foodborne bacteria and their survival and resuscitation in fresh produce. **Ana Allende**, CEBAS CSIC

Non-fouling food contact surfaces - prevention of biofilm and surface-mediated cross-contamination. **Boce Zhang**, University of Massachusetts

**11:55 am – 1:00 pm**      **LUNCH**

**1:00 pm – 2:50 pm**      **Research Session 4 – Packing and Processing**

Moderators: **George Nikolich**, Gerawan Farming  
**Matt Miles**, Allan Brothers

Preservation of stone fruits by spray application of edible coatings with antimicrobial properties. **Kay Cooksey**, Clemson University

Mathematical modeling tools for practical chlorine control in produce wash process. **Daniel Munther**, Cleveland State University

Characterization and mitigation of bacteriological risks associated with packing fresh-market citrus. **Linda Harris**, University of California, Davis

Resolving postharvest harborage sites of *Listeria* protects Zone 1 surfaces. **Trevor Suslow**, University of California, Davis -

Control of *Listeria monocytogenes* on apple through spray manifold-applied antimicrobial intervention. **Meijun Zhu**, Washington State University

**Lightning report – What lies ahead in CPS Research**

Illuminating the role of whole genome sequencing in produce safety. **Kerry Cooper**, University of Arizona

Fate of different *Listeria monocytogenes* strains on different whole apple varieties during long-term simulated commercial storage. **Elliot Ryser**, Michigan University

Preventive sanitation measures for the elimination of *Listeria monocytogenes* biofilms in critical postharvest sites. **Kay Cooksey**, Clemson University

**2:50 pm – 3:20 pm**      **BREAK**

**3:20 pm – 4:10pm**      **Symposium Take-aways – Industry leaders provide key learnings**

Panelists:            TBA  
Moderator:          **Robert Whitaker**, Produce Marketing Association

**4:10 pm – 5:00 pm**      **CPS Challenges and Industry Opportunities – Executive’s share their vision for food safety in the fresh produce industry**

Panelists:            TBA  
Moderator:          **Bonnie Fernandez-Fenaroli**, Center for Produce Safety

**5:00 pm – 6:00 pm**      **Closing Reception**