2020 CPS RESEARCH SYMPOSIUM – WEBINAR SERIES
AGENDA AT A GLANCE

Tuesday, June 23 **SESSION I**

10:00 am Welcome: **Dave Corsi**, Wegmans and Chair, CPS Board of Directors

Moderator: **Suresh DeCosta**, Lipman Family Farms

FINAL REPORTS

Managing Listeria in Fresh Produce Using Predictive Models. **Don Schaffner**, **Ph.D.**, Rutgers University

Exploring the Relationship Between Product Testing and Risk. **Emma Hartnett**, **Ph.D.**, Risk Sciences International

A Systematic Review of Listeria Growth and Survival on Fruit and Vegetable Surfaces: Responding to Critical Knowledge Gap. **Laura Strawn**, **Ph.D.**, Virginia Tech

INTERIM REPORTS

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

Simulation Analysis of In-Field Produce Sampling for Risk-Based Sampling Plan Development. **Mathew Stasiewicz, Ph.D.**, University of Illinois

WHAT'S NEW IN 2020

Factors affecting persistence of Listeria monocytogenes need to be identified for evaluation and prioritization of interventions. **Martin Wiedmann**, **Ph.D.**, Cornell University

Environmental microbial risks associated with vented produce in distribution centers. **Laurel Dunn, Ph.D.**, University of Georgia

11:30 am **Close of Session I**

# # #

10:00 am Welcome: **Drew McDonald**, Taylor Fresh Foods and Chair, CPS Tech Committee

Moderator: **Jennifer McEntire**, United Fresh Produce Association

FINAL REPORTS

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

Rechargeable antimicrobial and antifouling plastics for improved cleaning and sanitation of plastic bins and totes. **Nitin Nitin**, **Ph.D.**, University of California, Davis

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

INTERIM REPORTS

Fate of different Listeria monocytogenes strains on different varieties of whole apples during long-term simulated commercial storage, **Elliot Ryser, Ph.D.**, Michigan State

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

Non-Fouling Food Contact Surfaces - Prevention of Biofilm and Surface-Mediated Cross-Contamination**. Boce Zhang**, University of Massachusetts

WHAT'S NEW IN 2020

Listeria develops reduced sanitizer sensitivity but not resistance at recommended sanitizer use levels. **Martin Wiedmann, Ph.D.,** Cornell University

Possibility, duration, and molecular predictors of sanitizer tolerance in Listeria monocytogenes. **Xiangyu Deng**, University of Georgia

Verification and validation of environmental monitoring programs for biofilm control in the packing house. **Paul Dawson, Ph.D.**, Clemson University

11:30 am **Close of Session II**

# # #

10:00 am Welcome: **Tammy Switucha**, Canadian Food Inspection Agency and CPS Board of Directors

Moderator: **DeAnn Davis**, Commercial Food Sanitation

FINAL REPORTS

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

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

Cyclospora Prevalence in Irrigation Water in Fresh Produce Growing Regions in Arizona. **Gerardo Lopez, Ph.D.**, University of Arizona

INTERIM REPORT

Towards a decision-support tool for identifying and mitigating on-farm risks to food safety. **Daniel Karp, Ph.D.**, University of California, Davis

11:30 am **Close of Session III**

# # #

10:00 am Welcome: **Doug Grant**, CPS Knowledge Transfer Task Force

Moderator: **Trevor Suslow**, Produce Marketing Association

FINAL REPORTS

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

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

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

INTERIM REPORT

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

11:30 am **Close of Session IV**

# # #

10:00 am Welcome: **Dave Corsi**, Wegmans and Chair, CPS Board of Directors

Moderator: **Joan Rosen**, JC Rosen Resources

FINAL REPORTS

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

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

INTERIM REPORTS

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

Agriculture Water Treatment - Southwest Region. **Channah Rock, Ph.D.**, University of Arizona

Development of a Model to Predict the Impact of Sediments on Microbial Irrigation Water Quality. **Charles Gerba, Ph.D.**, University of Arizona

WHAT'S NEW IN 2020

Analysis of the presence of Cyclospora in waters of the Mid-Atlantic states and evaluation of removal and inactivation by filtration. **Kalmia Kniel, Ph.D.**, University of Delaware

Sources and prevalence of Cyclospora cayetanensis in Southeastern US irrigation water sources and growing environments. **Mia Mattioli, Ph.D.**, Centers for Disease Control

The prevalence of Cyclospora in water and produce. **Ynés Ortega, Ph.D.**, University of Georgia

Occurrence and accumulation of potentially infectious viruses in process water and impact of water disinfection practices to minimize viral cross-contamination. **Gloria Sánchez Ph.D.**, IATA CSIC Spain

Post-harvest fresh produce wash water disinfection by submerged cold plasma non-chemical continuous treatment system. **Alexander Fridman**, Drexel University

11:30 am **Close of Session V**

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