



IAFP 2026 PROGRAM BOOK

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September 28-29, 2026



Buenos Aires, Argentina



IX Latin American Symposium on Food Safety

VII Argentine Symposium on Food Safety

"Food safety: a global challenge, a shared responsibility"

Scientific Topics



AI in the Food Production Chain



Microbiota, Food & Health



Regulatory Frameworks



Chem & Micro Contaminants



Food allergens



Advanced Tools for Micro Analysis



Food Fraud



Sustainability in the Food Industry



Pet Food Quality & Safety



More INFO @ iafp-latino-2026.aam.org.ar



VENUE

Auditorium, Universidad Católica Argentina (UCA) – Puerto Madero
Av. Alicia Moreau de Justo 1680, Buenos Aires, Argentina

Strategically located in Puerto Madero, one of Buenos Aires' most modern districts, offering convenient access, a contemporary atmosphere, dining options, and opportunities to combine the event with tourism activities.

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WELCOME FROM THE EXECUTIVE BOARD



MANPREET SINGH, Ph.D.
President
The University of Georgia



MANAN SHARMA, Ph.D.
President-Elect
USDA-ARS



PAMELA WILGER
Vice President
Post Consumer Brands,
Post Holdings



WENDY WHITE
Secretary
Georgia Institute of Technology

On behalf of the IAFP Executive Board, it is my distinct honor and privilege to welcome each of you to **IAFP 2026**, this year's Annual Meeting in New Orleans, Louisiana. Whether traveling from near or far, your presence and participation speaks to a shared conviction: that safe food is not a privilege—it is a fundamental human right.

IAFP 2026 provides everyone a truly energizing and humbling experience, knowing you are among the best of the best who work tirelessly to keep our food supply safe. Researchers, policymakers, industry leaders, and public health advocates from around the world all join forces with one common purpose as we engage in session rooms, at social events, or just by walking the hallways during coffee breaks. Over the course of the next three days, **IAFP 2026** will provide a platform for dialogue, forge meaningful partnerships, and challenge assumptions to chart a stronger and resilient path for ensuring the safety of the global food supply. While there will be remarkable opportunities to learn about the advances in technology, supply chain transparency, and regulatory science as robust tools that a few years ago could only have been imagined, innovations in traceability, rapid detection, and data-driven risk assessment are reshaping how we approach food safety at every level of the supply chain. And yet, despite this progress, the global burden of foodborne illness remains a sobering challenge.

Every year, we strive to enhance IAFP's Annual Meeting experience as we build upon the post-conference surveys. This year is no different, and we encourage everyone to continue to provide feedback on this meeting for opportunities to enhance next year's event. The 2026 Program Committee has done an excellent job, working diligently to provide an enriching content throughout three full days of sessions. Our conference is a success because of the generous sponsors, and when you are not in sessions, we encourage you to walk the Exhibit Hall to engage with our exhibitors and sponsors. On behalf of the IAFP Executive Board, I want to express our gratitude to these valuable contributors.

As we participate in **IAFP 2026**, the board is especially encouraged by the growing number of next-generation professionals who attend the conference, bringing fresh perspectives, curiosity, and energy. Don't miss the chance to engage with our student researchers and early career professionals—they are essential to the future of food safety. We also encourage you to participate fully; ask the hard questions; listen with openness; and leave with renewed energy, knowledge, and firm resolve. And, in your spare time, please take time to enjoy the warmth, culture, and legendary hospitality that a city like New Orleans offers.

The Executive Board and I look forward to seeing you, hearing your ideas, and celebrating our collective commitment to protecting the global food supply. Together at **IAFP 2026**, we are not just sharing science—we're building the future of food safety.

We look forward to seeing you in New Orleans—let's make these days count.

Manpreet Singh

IAFP President



MARK W. CARTER
Past President
MC Squared



HELEN TAYLOR
Affiliate Council Chairperson
Cardiff Metropolitan University



LISA K. GARCIA
Executive Director
International Association
for Food Protection

GENERAL INFORMATION

CELL PHONE POLICY

As a courtesy to our presenters, we request that you turn off or silence cell phones while attending sessions.

RECORDING POLICY

Unauthorized video or audio recording will not be allowed without prior approval. By attending the IAFP Annual Meeting, you authorize IAFP to take your picture to be used in our publications.

All sessions, with speaker approval, will be audio recorded by IAFP and posted on the IAFP website for attendees' access.

LUGGAGE CHECK AREA

The Luggage Check Area is available the following hours:

Tuesday, July 28, 8:00 a.m. – 6:30 p.m.

Wednesday, July 29, 8:00 a.m. – 9:00 p.m.

SPEAKER-READY ROOM

The Speaker-Ready Room is located in Room 211 and is available for speakers Sunday through Wednesday.

MEETING CODE OF CONDUCT

IAFP is committed to providing a safe, productive, and welcoming environment for all meeting participants and IAFP staff. All are expected to abide by the Meeting Code of Conduct that all attendees agreed to at the time of registration.

IAFP has zero-tolerance for any form of discrimination or harassment. If you experience harassment or hear of incidents of unacceptable behavior, IAFP asks that you contact an IAFP staff member so that appropriate action is initiated.

DIVERSITY, EQUITY, AND INCLUSION

IAFP embraces diversity in the food safety community and is committed to fostering and maintaining an inclusive and equitable environment for the benefit of Members and meeting attendees.

ON-SITE ACCOMMODATIONS

- Quiet Room – located in Room 202. This space is intended to be a calming environment for those overstimulated at the conference. Use of the room is first-come, first-served.
- Mother's Room – Located in front of Hall B-1
- Family Restrooms – Located in front of Hall B-1

PROGRAM COMMITTEE

Faith Critzer, *University of Georgia*, Committee Chairperson

Benjamin Miller, *The Acheson Group*, Vice Chairperson

John Bassett, *Danone SA*

Richelle Beverly, *WK Kellogg Co.*

Jessica Chen, *Centers for Disease Control and Prevention*

Vikrant Dutta, *bioMerieux Inc.*

Kristen Gibson, *University of Arkansas*

Lauren Jackson, *FDA-IFSH*

Armitra Jackson-Davis, *Alabama A&M*

John Jarosh, *USDA Food Safety Inspection Service*

Bobby Krishna, *Dubai Municipality*

Kristin Schill, *Food Research Institute/University of Wisconsin-Madison*

Thomas M. Taylor, *Texas A&M University*

Michael Wood, *The Kroger Company*

For all volunteers opportunities with IAFP visit:

www.foodprotection.org/get-involved/volunteer-opportunities/



CONNECT WITH IAFP

CONNECT AT IAFP 2026



@IAFPFOOD
#IAFP2026
TO CONNECT

WIFI

Complimentary wifi is available throughout the Convention Center.

TO ACCESS:

Network: IAFP 2026

Password: IAFP2026

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MEETING APP

Download the IAFP 2026 App for the most up-to-date information.



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SCHEDULE

FRIDAY, JULY 24

IAFP Workshops | 8:00 a.m.–5:00 p.m.

SATURDAY, JULY 25

IAFP Workshops | 8:00 a.m.–5:00 p.m.

Committee and PDG Chair & Vice Chair Meeting
3:00 p.m.–5:00 p.m.

Welcome Reception | 5:00 p.m.–6:30 p.m.

SUNDAY, JULY 26

Affiliate Council Meeting | 7:30 a.m.–9:00 a.m.

Committee and PDG Meetings | 8:00 a.m.–5:00 p.m.

Student Lunch | 12:00 p.m.–1:30 p.m.

Editorial Board Reception (*by invitation*)
4:30 p.m.–5:30 p.m.

Opening Session and Ivan Parkin Lecture
6:00 p.m.–7:30 p.m.

Cheese and Wine Reception | 7:30 p.m.–9:30 p.m.

Exhibit Hours | 7:30 p.m.–9:30 p.m.

MONDAY, JULY 27

Symposia, Roundtable & Technical Sessions
8:30 a.m.–5:15 p.m.

Poster Session | 8:30 a.m.–6:15 p.m.

Exhibit Hours | 10:00 a.m.–6:15 p.m.

Exhibit Hall Lunch | 11:45 a.m.–1:30 p.m.

Exhibit Hall Reception | 5:15 p.m.–6:15 p.m.

TUESDAY, JULY 28

Committee and PDG Chairperson Breakfast
(*by invitation*)
7:30 a.m.–9:00 a.m.

Symposia, Roundtable & Technical Sessions
8:30 a.m.–5:15 p.m.

Poster Session | 8:30 a.m.–6:15 p.m.

Exhibit Hours | 10:00 a.m.–6:15 p.m.

Exhibit Hall Lunch | 11:45 a.m.–1:30 p.m.

Business Meeting | 12:30 p.m.–1:15 p.m.

Exhibit Hall Reception | 5:15 p.m.–6:15 p.m.

President's Reception (*by invitation*)
6:30 p.m.–7:30 p.m.

Student Mixer | 7:00 p.m.–9:00 p.m.

Past Presidents' Dinner (*by invitation*)
7:30 p.m.–9:00 p.m.

WEDNESDAY, JULY 29

Symposia, Roundtable & Technical Sessions
8:30 a.m.–3:30 p.m.

Poster Session | 8:30 a.m.–3:30 p.m.

Networking Lunch | 11:45 a.m.–1:30 p.m.

Closing Session and John H. Silliker Lecture
4:00 p.m.–4:45 p.m.

Awards Reception and Banquet
6:00 p.m.–9:30 p.m.

COMMITTEE AND PDG MEETINGS

TIMES	MEETING	ROOM
SATURDAY		
3:00 p.m. – 5:00 p.m.	Committee/PDG Chairs and Vice Chairs Meeting	224
SUNDAY		
7:30 a.m. – 9:00 a.m.	Affiliate Council	Great Hall BC
8:00 a.m. – 10:00 a.m.	Committee on Control of Foodborne Illness	209
8:30 a.m. – 10:00 a.m.	Dairy Quality and Safety	217–219
	Food Safety Assessment, Audit and Inspection	225–227
	Food Safety Education	210
	Modelling and Risk Analysis	228–230
	Pre-Harvest Food Safety	224
	Retail and Foodservice	215–216
	Sanitary Equipment and Facility Design	214
	Viral and Parasitic Foodborne Disease	220–222
10:30 a.m. – 12:00 p.m.	Applied Laboratory Methods	228–230
	Constitution and Bylaws	208
	Developing Food Safety Professionals	210
	Diversity, Equity and Inclusion Council	224
	Food Fraud Prevention	215–216
	Food Hygiene and Sanitation	217–219
	Plant-Based Alternative Products	214
	Water Safety and Quality	225–227
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11:00 a.m. – 12:00 p.m.	Student PDG	220–222
1:00 p.m. – 2:00 p.m.	Past Presidents'	209
1:00 p.m. – 2:30 p.m.	Advanced Molecular Analytics	220–222
	Animal and Pet Food Safety	225–227
	Beverages and Acid/Acidified Foods	228–230
	Food Law	214
	Food Packaging	224
	Food Safety Culture	210
	FPT Management	223
	HACCP Utilization and Food Safety Systems	215–216
	Seafood Safety and Quality	208
3:00 p.m. – 4:30 p.m.	Data Management and Analytics	215–216
	Food Chemical Hazards and Food Allergy	225–227
	Food Defense	224
	Fruit and Vegetable Safety and Quality	228–230
	International Food Protection Issues	210
	JFP Management	223
	Low-Water Activity Foods	217–219
	Meat and Poultry Safety and Quality	220–222
	Membership	208
	Physical Hazards and Foreign Materials	214
WEDNESDAY		
7:30 a.m. – 8:30 a.m.	Foundation	223

Hello

I am a

Researcher

Hello

I am a

Problem
Solver

Hello

I am a

Risk
Reducer

Hello

I am a

Learner

Hello

I am a

GENOMICS
EXPERT

Hello

I am a

Brand
Protector

Hello

I am a

Food Safety
Leader

Hello

I am a

QUALITY
CHAMPION

Hello

I am a

R&D
PIONEER

Hello

I am a

INNOVATOR



Microbiology For Innovators. Microbiology For You.

Progress begins when you challenge the status quo, and bioMérieux is here to support that ambition every step of the way. We combine microbiology, genomics, and your facility's data to drive smarter decisions, faster.

Find us at IAFP 2026 in New Orleans to discuss how we can help you move food safety and quality forward.

SCHEDULE-AT-A-GLANCE

	Great Hall AD	Great Hall BC	Room 217–219	Room 228–230	Room 203–205	Room 225–227	Room 210
SUNDAY, JULY 26							
Sunday 6:00 p.m. – 7:30 p.m.	Opening Session – Ivan Parkin Lecture – Great Hall AD An Engaging Exchange: Distilling Data for Impact – Gregory Astill, Economist, Provo, Utah; and Elizabeth A. Bihn, Director, Produce Safety Alliance, Cornell University, Ithaca, New York						
MONDAY, JULY 27							
Monday 8:30 a.m. – 12:15 p.m.	S1 – Outbreak Symposium: Notable Foodborne Disease Outbreaks from 2025 – Lessons for Public Health and Industry		S2 – Smarter Validation Strategies for Low-Water Activity Foods: Product Grouping and Revalidation in Practice	S3 –The Utilization of Large-Scale Sequence Databases for Foodborne Pathogen Characterization and Functional Genomics	RT1 – The Changing Landscape of Scientific Publishing: Predatory Journals, AI, and Compromising Scientific Peer Review	RT2 – Enhancing Hazard Analysis: Separating Ingredient and Process Step Evaluations for Improved Food Safety	RT3 – Balancing Innovation and Consumer Expectations: Aligning Food Safety and Building Trust
					RT5 – What Comes Next: Building Food Safety Strategies After NACMCF	RT6 – Hygienic Restoration: Rethinking Risk, Investment, and Continuity in Food Facilities	RT7 – Full Strength, Fully Understood: Bridging Language Gaps Without Cutting Content
Monday 12:30 p.m. – 1:30 p.m.	U.S. Regulatory Update on Food Safety – Great Hall AD Donald Prater, D.V.M., Acting Deputy Commissioner for Food, Food and Drug Administration, Silver Spring, Maryland; and Mindy Brashears, Under Secretary for Food Safety, United States Department of Agriculture, Washington, D.C.						
Monday 1:30 p.m. – 5:15 p.m.	S8 – GRAS 2.0: What's New; Not So New and Its Impact Toward Industry Compliance	S9 – From Risk to Regulation: FAO/WHO Scientific Advice on <i>Listeria monocytogenes</i> and Codex Applications	S10 – FSVP at the Border: Rising FDA Detentions and How to Prepare	S11 – Culture or Molecular? Rethinking When and Why We Confirm Pathogens	RT9 – Best Practices for Governing Data in the AI Era	RT10 – From Confusion to Compliance: Navigating the FDA Food Traceability Rule for Retailers and Foodservice Establishments	RT11 – Every Drop Counts: Advancing Safe Water Reuse in Dairy and Food Processing
	S14 – Antimicrobials for Foodborne Pathogens, Spoilage Microorganisms, and Navigating FDA GRAS Approval for Novel Compounds	S15 – Beyond Detection: How Industry is Using Next Generation Genomic Sequencing to Drive Root Cause Analysis	S16 – Antimicrobial Interventions for Meat Safety and Microbial Quality: Present and the Future	S17 – How to Decide? Risk-Based Decisions for the Use of Dried Ingredients	RT13 – Internal Assessment: Closing the Gap Between Audits and Food Safety Performance	RT14 – FSMA at 15: Promise, Progress, and Priorities for the Future	RT15 – Product Labeling Mistakes: When Human Failure Leads to a Food Recall; Strategies and Impacts
TUESDAY, JULY 28							
Tuesday 8:30 a.m. – 12:15 p.m.	S20 – AI-Powered Food Safety: Predictive Modeling, Pathogen Detection, and Beyond	S21 – Best Practices in <i>Salmonella</i> and <i>Cranobacter</i> Controls in a Low-Moisture Facility Using Dairy Examples	S22 – Upgrading Environmental Monitoring Through Microbiome Mapping in Food Production Plants	S23 – Using Data to Characterize Risk and Prevent <i>Listeria monocytogenes</i> Contamination: Challenges and Opportunities	S24 – Mixed Signals: The Prevalence and Risks of Multi-Genotype Pathogen Contamination	RT17 – Hydration Prior to Processing: Controlling Microbial Contaminants in Dry Ingredients	RT18 – Addressing Knowledge Gaps and Research Priorities for the Impact and Control of Emerging Dry Biofilms in Food Safety
	Late-Breaking Session – An Overview and Perspectives on Recent Outbreaks Involving Infant Formula	S28 – Mapping Risk to Reality: Applying Biomapping and QMRA to Strengthen Poultry Safety	S29 – From Data to Decision: Predictive Modeling, Validation and <i>Listeria</i> Control in RTE Foods	S30 – A Food Safety Data Standard: Update and Report	S31 – Technologies for Improving Recall Management in Retail & Foodservice	RT19 – Flexitarians: New Product Offerings Blending the Best of Both Worlds	RT20 – Translating 100 Years of Hygienic Design from Food Processing Environments into Food Service and Food Retail Equipment and Facility Design
Tuesday 12:30 p.m. – 1:15 p.m.	IAFP Business Meeting - Room 209						
Tuesday 1:30 p.m. – 5:15 p.m.	S34 – Life of an Outbreak: From the First Illness to the Courthouse	S35 – Genomic Analyses to Rank Foodborne Pathogens by Risk	S36 – The Key Performance Indicators of Food Safety Training	S37 – Food Chemical Safety Assessment: How & Why	S38 – Sample Pooling: Sink or Swim	RT21 – Dry Clean Only: Establishing Dry Sanitation Solutions for Low-Moisture Ready-to-Eat Foods	RT22 – One Culture, Many Voices: Embedding DEI into Food Safety
		S41 – The Genomics for Food and Feed Safety (Gen-FS) Interagency Collaboration: Recent Advances in Genomics Methods and Data Standards		S42 – Overcoming Challenges of Water Use and Reuse in Food Processing Requires a Holistic Approach	S43 – Beyond the Algorithm: How Food Safety Systems and Culture Adapt in the Age of AI	RT23 – Exploring Tomorrow's Food, Today, Under High Pressure: Latest Advances and Challenges <i>Sponsored by The Cold Pressure Council</i>	RT24 – Theory to Practice: Applying Food Safety Culture Research to Dynamic and Diverse Food Businesses
WEDNESDAY, JULY 29							
Wednesday 8:30 a.m. – 12:15 p.m.		RT25 – Revisiting the FDA Food Code Definition of Time/Temperature Control for Safety (TCS) Foods <i>Sponsored by Vitsab International AB</i>	RT26 – Emerging, Reemerging and REP Pathogens: Food Safety Challenges	S46 – Environmental Monitoring and Zone 1 Swabs: Hard Lessons from the Turkey Bacon Recall	S47 – Advancing AI in Food Safety Through Student Competition on Benchmark Datasets	S48 – PFAS in Food and Water: Regulation, Occurrence and Mitigation	S49 – Alive or Dead? Incorporation of Pathogen Viability Assessment into Omics Food Safety Research
		RT27 – We Don't Need No Stinkin' Culture: We Need a New Gold Standard for Confirmations!	RT28 – Keep It Simple: Building Achievable Pathways to Improve Food Safety	S52 – One Pathogen, Many Landscapes: <i>Salmonella</i> Dynamics in the Americas	S53 – Can Microbial Quantitation Catch Up with Detection Methods? Recent Advances	S54 – The Dollars and Sense of Food Safety: Econometrics of Food Safety Interventions	S55 – Beyond the Kill Step: Managing Risks of Toxin-Producing Microorganisms in High-Moisture In-Process Foods
Wednesday 1:30 p.m. – 3:30 p.m.		S57 – Allergen Labeling and Risk Management Updates from FDA	RT29 – Asset Lifecycle Management in Food Manufacturing: Engineering Principles for Equipment and Facility Longevity	S58 – Using Metagenomics to Solve Real-World Food Safety and Quality Challenges	S59 – Data-Driven Insights in Fresh Produce Safety – Putting Learnings into Actions <i>Sponsored by IFPA</i>	S60 – When Cleaning Tools Become Inoculators: A Food Safety Blind Spot	S61 – Digital Innovations for Produce Safety: Enhancing FSMA-PSR Compliance Abroad to Protect Consumers <i>Sponsored by IFPA</i>
Wednesday 4:00 p.m. – 4:45 p.m.	John H. Silliker Lecture – Great Hall BC From Fundamentals to Frontiers: A Consultant's Guide to Tackling Food Safety Risks– Ruth Petran, Principal & Founder, Ruth Petran Consulting, LLC; Senior Advisor, The Acheson Group, Minneapolis, Minnesota						

SCHEDULE-AT-A-GLANCE

	Room 207	Room 208	Room 209	Room 221	Room 220	Room 206	Exhibit Hall	
SUNDAY, JULY 26								
Sunday 6:00 p.m. – 7:30 p.m.	Opening Session – Ivan Parkin Lecture – Great Hall AD An Engaging Exchange: Distilling Data for Impact – Gregory Astill, Economist, Provo, Utah; and Elizabeth A. Bihn, Director, Produce Safety Alliance, Cornell University, Ithaca, New York							
MONDAY, JULY 27								
Monday 8:30 a.m. – 12:15 p.m.	S4 – Food Safety in Indigenous Arctic Food Systems in Face of Climate Change	RT4 – Learning in Seconds: Rethinking Food Safety Education for the Frontline	S5 – Surf & Turf Safety: Innovations in Dry-Aging Muscle Foods	T1 – Developing Scientist Finalists			Poster Session 1 – Epidemiology, Food Allergens, Food Chemical Hazards, Food Toxicology, General Microbiology, Laboratory Methods, Meat, Poultry and Eggs, and Molecular Analytics, Genomics, and Microbiome	
	S6 – Pork Under the Microscope: Advances in Mitigating Old and Emerging Risks	RT8 – Is Exact Colony Counting Just Right, or is One-Log Resolution Enough?	S7 – “Is Circular Safe?” – Balancing Sustainability with Foodborne Viral Risks					Marketplace
Monday 12:30 p.m. – 1:30 p.m.	U.S. Regulatory Update on Food Safety – Great Hall AD Donald Prater, D.V.M., Acting Deputy Commissioner for Food, Food and Drug Administration, Silver Spring, Maryland; and Mindy Brashears, Under Secretary for Food Safety, United States Department of Agriculture, Washington, D.C.							
Monday 1:30 p.m. – 5:15 p.m.	S12 – Keeping Parasites Out of Imported Produce: Learn How to Mitigate <i>Cyclospora</i> Contamination in Fresh Herbs <i>Sponsored by IFPA</i>	RT12 – Public Data Aggregation to Support Water Use Decisions in Food Production	S13 – <i>Salmonella</i> in Tahini and Sesame Products: FDA’s Multi-Pronged Approach Through Regulatory Oversight and AI-Targeted Sampling	T2 – Antimicrobials and Animal and Pet Food Safety				
	S18 – Managing the Invisible Threat of Mycotoxins: Emerging Regulatory Frontiers and Future Directions for Risk Management	RT16 – How LGBTQIA+ Food Safety Professionals Can Thrive During Less-Affirming Times	S19 – Biofilms and Viruses: Unveiling Hidden Risks in the Food Chain					Hands-On Marketplace on Tools and Resources for Food Safety Modeling and Risk Analysis
TUESDAY, JULY 28								
Tuesday 8:30 a.m. – 12:15 p.m.	S25 – Building a Data-Driven Culture Today for Safer Food Tomorrow	S26 – New Sequencing Tools for Improved Parasite Genotyping and Source Tracking in Food	S27 – Risk, System, Culture, and Business Strategy in Food Safety	T3 – Plant-Based Alternative Products, Seafood, Molecular Analytics, Genomics and Microbiome, and Laboratory and Detection Methods	T4 – Produce and Pre-Harvest Food Safety			Poster Session 2 – Antimicrobials, Beverages and Acid/Acidified Foods, Food Defense, Food Fraud Prevention, Modeling and Risk Assessment, Plant-Based Alternative Foods, Pre-Harvest Food Safety, Produce, Viruses and Parasites, and Water
	S32 – Breaking Through to Consumers with Technology-Driven Food Safety Education	S33 – Beyond the Usual Suspects: Risk Perspectives on Emerging Pathogens in Meat and Poultry Products	T5 – Microbial Food Spoilage and Sanitation and Hygiene					
Tuesday 12:30 p.m. – 1:15 p.m.	IAFP Business Meeting – Room 4							
Tuesday 1:30 p.m. – 5:15 p.m.	S39 – All Hands-On Deck: The Pivotal Role of Food and Agrifood Systems in the Global Antimicrobial-Resistance (AMR) Pandemic <i>Sponsored by FAO</i>	S40 – Food Fraud Prevention: From Spreadsheets to AI	T6 – Low-Water Activity Foods, Data Management and Analytics, and Epidemiology	T7 – Laboratory and Detection Methods	T8 – Pre-Harvest Food Safety			
	S44 – Produce Wash Water: Multi-Company Validation of Critical Parameters	S45 – Natural Mold Inhibition in Baked Goods: Fermentate Solutions for Sustainability and Waste Reduction						
WEDNESDAY, JULY 29								
Wednesday 8:30 a.m. – 12:15 p.m.	S50 – Allergen Method Validation and Verification: Guidelines and Real-World Experiences	S51 – Breaking Barriers: Enhancing Food Safety Culture Through Inclusive Communication	T9 – Modeling and Risk Assessment	T10 – Food Safety Systems and Food Processing Technologies	T11 – Meat, Poultry, and Eggs		Poster Session 3 – Animal and Pet Food Safety, Communications, Outreach and Education, Dairy, Data Management, Food Law and Regulation, Food Processing Technologies, Food Safety Systems, Low-Water Activity, Microbial Food Spoilage, Food Packaging, Retail and Food Service Safety, Sanitation and Hygiene, and Seafood	
	S56 – Best Practices for Managing Allergens and Gluten in Retail and Food Service Environments	T12 – Dairy and Communication, Outreach and Education						
Wednesday 1:30 p.m. – 3:30 p.m.	S62 – Food Safety Management in Fermented Food Production	S63 – Bubbly, Brewed, and Plant-Based: Microbial Food Safety and Spoilage Considerations for Alternative Beverages	S64 – De-Bugging Pet Food Safety: Tackling Risks in Insect Proteins and Novel Ingredients	T13 – Food Chemical Hazards, General Microbiology, Food Allergens, Beverages and Acid/Acidified Foods, Food Fraud Prevention, and Food Law and Regulation	T14 – Packaging, Water, and Viruses and Parasites			
Wednesday 4:00 p.m. – 4:45 p.m.	John H. Silliker Lecture – Great Hall BC From Fundamentals to Frontiers: A Consultant’s Guide to Tackling Food Safety Risks–Ruth Petran, Principal & Founder, Ruth Petran Consulting, LLC; Senior Advisor, The Acheson Group, Minneapolis, Minnesota							

GENERAL SESSIONS

OPENING SESSION • IVAN PARKIN LECTURE

Sunday, July 26 • 6:00 p.m.–7:30 p.m.



GREGORY ASTILL, Ph.D.

Economist
Provo, Utah



ELIZABETH A. BIHN, Ph.D.

Director, Produce Safety Alliance,
Cornell University
Ithaca, New York

Talk Title: “An Engaging Exchange: Distilling Data for Impact”

CLOSING SESSION • JOHN H. SILLIKER LECTURE

Wednesday, July 29 • 4:00 p.m.–4:45 p.m.



JOHN H. SILLIKER LECTURE

RUTH PETRAN

Principal & Founder, Ruth Petran Consulting, LLC
Senior Advisor, The Acheson Group
Minneapolis, Minnesota

Talk Title: “From Fundamentals to Frontiers: A Consultant’s Guide to Tackling Food Safety Risks”

GENERAL SESSIONS

U.S. REGULATORY UPDATE SESSION

Monday, July 27 • 12:30 p.m.–1:30 p.m.



DONALD PRATER, D.V.M.

Acting Deputy Commissioner
for Foods
Food and Drug Administration



MINDY BRASHEARS

Under Secretary for Food Safety
United States Department
of Agriculture



STUDENT ACTIVITIES

STUDENT PDG MEETING

SUNDAY, JULY 26
11:00 a.m.–12:00 p.m.

Room 220–222

JOB FAIR

**ATTENTION JOB SEEKERS
AND EMPLOYERS!**

**Job announcements will be posted
at the Student PDG booth.**

STUDENT LUNCH

SUNDAY, JULY 26
12:00 p.m.–1:30 p.m.

Great Hall BC

Purchase a T-shirt to
support the students! **\$30**



**Visit the IAFP Student PDG Booth
in the Exhibit Hall.**

STUDENT MIXER

TUESDAY, JULY 28
7:00 p.m.–9:00 p.m.

Hilton Riverside Building
River/Port/Starboard



EXHIBIT HALL EVENTS

EXHIBIT HALL HOURS

SUNDAY, JULY 26 7:30 p.m. – 9:30 p.m.	MONDAY, JULY 27 10:00 a.m. – 6:15 p.m.	TUESDAY, JULY 28 10:00 a.m. – 6:15 p.m.
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EXHIBIT HALL EVENTS

SUNDAY, JULY 26	MONDAY, JULY 27	TUESDAY, JULY 28
Opening Session 7:30 p.m. – 9:30 p.m. Cheese provided by 	Coffee Break 10:00 a.m. – 10:45 a.m. Sponsored by  DEIBEL LABORATORIES	Coffee Break 10:00 a.m. – 10:45 a.m. Sponsored by 
	Lunch 11:45 a.m. – 1:30 p.m.	Lunch 11:45 a.m. – 1:30 p.m. Sponsored by 
	Coffee Break 3:00 p.m. – 3:45 p.m. Sponsored by 	Coffee Break 3:00 p.m. – 3:45 p.m. Sponsored by 
	Exhibit Hall Reception 5:15 p.m. – 6:15 p.m.	Exhibit Hall Reception 5:15 p.m. – 6:15 p.m.

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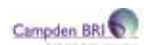
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Silent Auction Hours

Sunday, July 26
7:30 p.m. – 8:30 p.m.

Monday, July 27
10:00 a.m. – 6:00 p.m.

Tuesday, July 28
10:00 a.m. – 3:30 p.m.

Final bids must be made by 3:30 p.m. on Tuesday. Bid sheets will be pulled promptly at 3:30 p.m.
Successful bidders can claim items immediately following.

Call for Submissions and Deadlines

**Symposium, Roundtable
and Workshop Submissions**
September 29, 2026

Technical and Poster Abstract Submissions
Due January 12, 2027

Student Travel Scholarship Submissions
Due January 19, 2027

Award Nominations
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Watch the IAFP website
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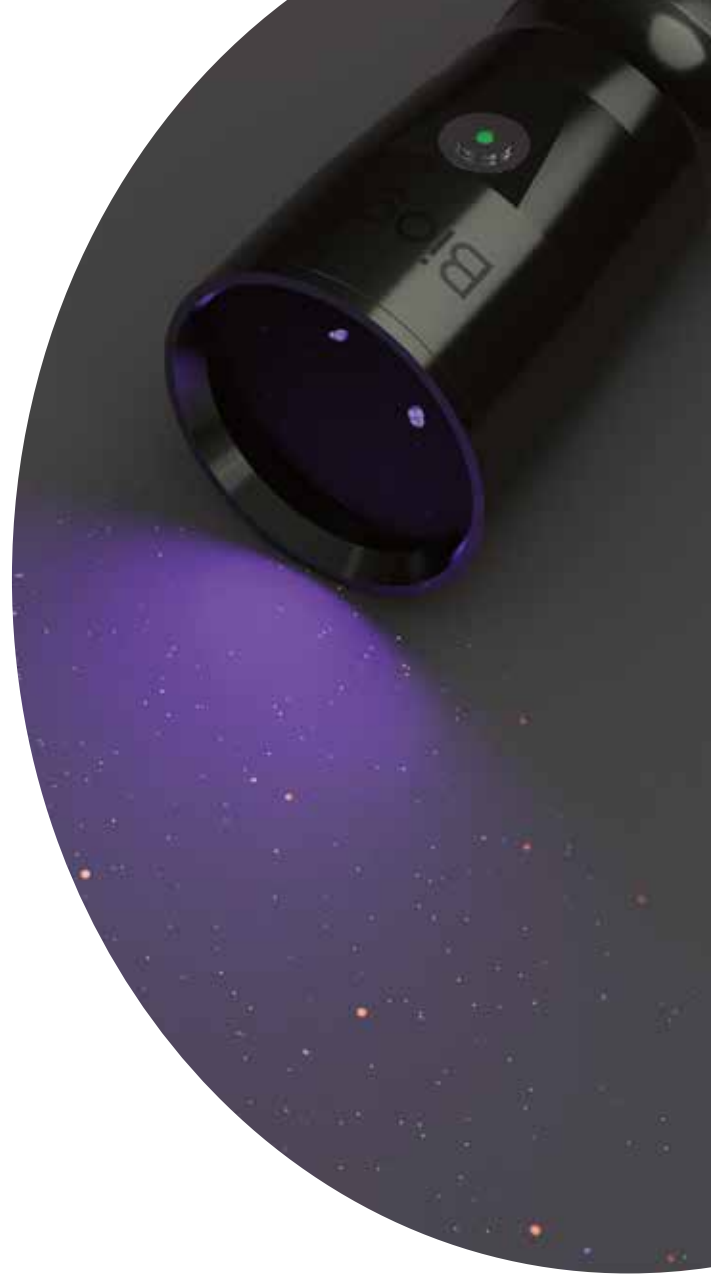
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FPT PUBLICATION AWARDS



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Most Cited Research Publication Award

Occupational Health and Food Safety Risks in Ilorin, Northcentral Nigeria: A Cross-Sectional Survey of Slaughterhouse Workers

Ismail A. Odetokun, Ibraheem Ghali-Mohammed, Nma B. Alhaji, Aliyu A. Nuhu, Habeeb A. Oyedele, Saliu A. Ameen, and Victoria O. Adetunji

Published in 2020

The award is based upon the number of citations of a work by others for research articles published five years prior to the year of the IAFP Annual Meeting.

Most Viewed Peer-Reviewed Research Publication Award

Storage-Mediated Changes in Sodium Hypochlorite and Peroxyacetic Acid Sanitizer Concentrations

Laurel L. Dunn, Andrew Widmer, Anna Townsend, Olivia Hawkins, and Patrick G. Connolly

March/April 2025

The award is based upon the number of times a publication that was published over the last two calendar years was viewed.

Most Viewed General Interest Publication Award

Evaluating and Managing Potential Risks Associated with Top-Iced Produce

Laura K. Strawn and Jennifer C. McEntire

Jan/Feb 2025

The award is based upon the number of times a publication that was published over the last two calendar years was viewed.

2026 Food Protection Trends Exceptional Reviewer Award

CHRISTINE BRUHN

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JFP PUBLICATION AWARDS



Congratulations to the Recipients of the 2026 *Journal of Food Protection* Publication Awards

John N. Sofos Most Cited Research Publication Award

1ST PLACE

***Salmonella* Contamination of
Broiler Chicken Carcasses at
Critical Steps of the Slaughter
Process and in the Environment of
Two Slaughter Plants: Prevalence,
Genetic Profiles, and Association
with the Final Carcass Status**

S. Boubendir, J. Arsenault,
S. Quessy, P. Fravalo, W.P. Thériault,
S. Fournaise, and M.-L. Gaucher

February 2021

2ND PLACE

**Effect of Feeding a Postbiotic
Derived from *Saccharomyces
cerevisiae* Fermentation as a
Preharvest Food Safety Hurdle
for Reducing *Salmonella*
Enteritidis in the Ceca of
Layer Pullets**

E. Gingerich, T. Frana, C.M. Logue,
D.P. Smith, H.O. Pavlidis, and
W.E. Chaney

February 2021

3RD PLACE

**Consumer Knowledge
and Behaviors Regarding
Food Safety Risks Associated
with Wheat Flour**

Y. Feng and J.C. Archila-Godínez

April 2021

*The awards are based upon the number of
citations of a work by others for papers
published five years prior.*

John N. Sofos Most Cited Review Publication Award

**Climate Change and Emerging
Food Safety Issues: A Review**

R.A. Duchenne-Moutien and H. Neetoo

November 2021

2026 *Journal of Food Protection* Most Downloaded Publication Award

**Brief History of Milk Hygiene
and Its Impact on Infant
Mortality from 1875 to 1925 and
Implications for Today: A Review**

Russell W. Currier and John A. Widness

2018

*This award recognizes the JFP publication that
was most-downloaded in 2025 and published
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2026 *Journal of Food Protection* Exceptional Reviewer Award

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IVAN PARKIN LECTURE

Opening Session • Sunday, July 26 • 6:00 p.m.–7:30 p.m.



GREGORY ASTILL, Ph.D.

Economist
Provo, Utah

Dr. Gregory Astill holds a Ph.D. in Economics from Washington State University and worked for 10 years as an applied economist focusing on issues impacting agricultural markets. Dr. Astill spent the first nine years of his career as a research economist with the U.S. Department of Agriculture's Economic Research Service. Most recently, he worked as a Senior Economist at DecisionNext, a commodity price and supply forecasting company, where he supported the development of statistical models and the delivery of constantly updating price and volume forecasts.

Dr. Astill's published research examines the economics of food safety practices in fresh fruit and vegetable production; of labor and mechanization in agricultural production; of agricultural risk management programs; and other issues related to agricultural commodity prices.

Using primary surveys and case study interviews, Dr. Astill has published on the cost of food safety practices on U.S. fresh fruit and vegetable farms. His research documents the clear economies of scale in food safety. Larger growers incurred costs-per-dollar sales 86% lower than smaller growers. He has identified other non-monetary costs of food safety including confusion about federal requirements and time spent on food safety activities and training. Most recently, Dr. Astill examined which aspects of food safety implementation are most challenging and concluded that high quality information networks are critical to improving knowledge gain and effective use of produce safety practices.



ELIZABETH A. BIHN, Ph.D.

Director, Produce
Safety Alliance
Cornell University
Ithaca, New York

Dr. Elizabeth (Betsy) A. Bihn is the Director of the Produce Safety Alliance (PSA) and the National Good Agricultural Practices (GAPs) Program based in the Department of Food Science at Cornell University. For over 25 years, she has worked to increase the implementation of food safety practices on fruit and vegetable farms and in packinghouses through applied on-farm research and the development of effective educational materials and training programs. Her research focuses on preharvest agricultural water quality assessment and vermicompost. Dr. Bihn leads a multilingual team focused on providing accurate, science-based, produce safety information to fresh fruit and vegetable growers, packers, farm workers, regulatory personnel, extension educators, and others interested in the safety of fresh produce. These efforts support growers and packers as they strive to meet the U.S. Food Safety Modernization Act (FSMA) Produce Safety Rule (PSR) requirements and buyer expectations. For this work, the PSA Team was awarded the 2025 Innovations in Regulatory Science & Policy Leadership Award from the Reagan-Udall Foundation for the FDA.

Dr. Bihn values the diversity present in agricultural communities and prioritizes inclusive communication strategies that build positive food safety cultures on farms and in packinghouses. She was the 2021 recipient of the IAFP Elmer Marth Educator Award and has served as the president of the New York State Association for Food Protection, an IAFP affiliate. She has a B.S. in zoology from the Ohio State University, a M.S. in horticulture from the University of Florida, and a Ph.D. in food science from Cornell University.

IVAN PARKIN LECTURE ABSTRACT:

An Engaging Exchange: Distilling Data for Impact

The systems and processes supporting food protection are complex and encompass a wide range of academic fields from chemistry, biology, physics, engineering, economics, sociology, statistics, and psychology. Data can be used to improve food safety systems and processes so that limited resources can be used efficiently to reduce food safety risks. Unfortunately, data can be distorted, misquoted, truncated, misunderstood, and misused. We all recognize the problem of GIGO: Garbage In, Garbage Out. Making food safety decisions in a world with so many data streams and opinions can be daunting. Working with colleagues who have different strengths allows for data assessment that leads to establishing meaningful food safety priorities while filling knowledge gaps.

For this year's Ivan Parkin Lecture, Dr. Greg Astill and Dr. Betsy Bihn will kick off the IAFP Annual Meeting by collecting real-time food safety views of the audience and analyzing this data from different perspectives to engage in a lively discussion of science, business, and policy. The goal is to interact with data that may inform your decisions at this year's Annual Meeting and impact your roles over the coming year. Perhaps it inspires you to do something new. Or to be more confident in how you experience IAFP 2026. Hopefully, this discussion gives you a moment to share with your colleagues, reacting to a live discussion which distills data to help you in your food safety journey.

IVAN PARKIN

Dr. Ivan Parkin was a Dairy Extension Specialist at Pennsylvania State University. Dr. Parkin served as the IAFP President in 1955 and received the IAFP Honorary Life Membership Award in 1965.

MONDAY, JULY 27

ALL DAY

8:30 a.m. – 6:15 p.m.

Exhibit Hall

Poster Session 1 – Epidemiology, Food Allergens, Food Chemical Hazards, Food Toxicology, General Microbiology, Laboratory Methods, Meat, Poultry and Eggs, and Molecular Analytics, Genomics, and Microbiome

P1-001 through P1-118 – Authors present 10:00 a.m. – 11:30 a.m. and 5:15 p.m. – 6:15 p.m.

P1-119 through P1-250 – Authors present 2:15 p.m. – 3:45 p.m. and 5:15 p.m. – 6:15 p.m.

MORNING

8:30 a.m. – 10:00 a.m.

Great Hall AD

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|-----|--|
| S1 | Outbreak Symposium: Notable Foodborne Disease Outbreaks from 2025 – Lessons for Public Health and Industry (Part 1) |
| S2 | Smarter Validation Strategies for Low-Water Activity Foods: Product Grouping and Revalidation in Practice (Part 1) |
| S3 | The Utilization of Large-Scale Sequence Databases for Foodborne Pathogen Characterization and Functional Genomics (Part 1) |
| S4 | Food Safety in Indigenous Arctic Food Systems in Face of Climate Change |
| S5 | Surf & Turf Safety: Innovations in Dry-Aging Muscle Foods |
| RT1 | The Changing Landscape of Scientific Publishing: Predatory Journals, AI, and Compromising Scientific Peer Review |
| RT2 | Enhancing Hazard Analysis: Separating Ingredient and Process Step Evaluations for Improved Food Safety |
| RT3 | Balancing Innovation and Consumer Expectations: Aligning Food Safety and Building Trust |
| RT4 | Learning in Seconds: Rethinking Food Safety Education for the Frontline |
| T1 | Technical Session 1 – Developing Scientist Finalists |

Room 217–219

Room 228–230

Room 207

Room 209

Room 203–205

Room 225–227

Room 210

Room 208

Room 221

10:00 a.m. – 10:45 a.m.

Break – Refreshments available in the Exhibit Hall sponsored by 

10:45 a.m. – 12:15 p.m.

Great Hall AD

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|-----|--|
| S1 | Outbreak Symposium: Notable Foodborne Disease Outbreaks from 2025 – Lessons for Public Health and Industry (Part 2) |
| S2 | Smarter Validation Strategies for Low-Water Activity Foods: Product Grouping and Revalidation in Practice (Part 2) |
| S3 | The Utilization of Large-Scale Sequence Databases for Foodborne Pathogen Characterization and Functional Genomics (Part 2) |
| S6 | Pork Under the Microscope: Advances in Mitigating Old and Emerging Risks |
| S7 | "Is Circular Safe?" – Balancing Sustainability with Foodborne Viral Risks |
| RT5 | What Comes Next: Building Food Safety Strategies After NACMCF |
| RT6 | Hygienic Restoration: Rethinking Risk, Investment, and Continuity in Food Facilities |
| RT7 | Full Strength, Fully Understood: Bridging Language Gaps Without Cutting Content |
| RT8 | Is Exact Colony Counting Just Right, or is One-Log Resolution Enough? |
| T3 | Technical Session 1 – Developing Scientist Finalists |
| MP | Marketplace |

Room 217–219

Room 228–230

Room 207

Room 209

Room 203–205

Room 225–227

Room 210

Room 208

Room 221

Room 206

11:45 a.m. – 1:30 p.m.

Lunch available in the Exhibit Hall

AFTERNOON

12:30 p.m. – 1:30 p.m.

Great Hall AD

U.S. Regulatory Update on Food Safety

1:30 p.m. – 3:00 p.m.

Great Hall AD

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|------|--|
| S8 | GRAS 2.0: What's New; Not So New and Its Impact Toward Industry Compliance |
| S9 | From Risk to Regulation: FAQ/WHO Scientific Advice on <i>Listeria monocytogenes</i> and Codex Applications |
| S10 | FSVP at the Border: Rising FDA Detentions and How to Prepare |
| S11 | Culture or Molecular? Rethinking When and Why We Confirm Pathogens |
| S12 | Keeping Parasites Out of Imported Produce: Learn How to Mitigate <i>Cyclospora</i> Contamination in Fresh Herbs
<i>sponsored by</i>  |
| S13 | <i>Salmonella</i> in Tahini and Sesame Products: FDA's Multi-Pronged Approach Through Regulatory Oversight and AI-Targeted Sampling |
| RT9 | Best Practices for Governing Data in the AI Era |
| RT10 | From Confusion to Compliance: Navigating the FDA Food Traceability Rule for Retailers and Foodservice Establishments |
| RT11 | Every Drop Counts: Advancing Safe Water Reuse in Dairy and Food Processing |
| RT12 | Public Data Aggregation to Support Water Use Decisions in Food Production |
| T2 | Technical Session 2 – Antimicrobials and Animal and Pet Food Safety |

Great Hall BC

Room 217–219

Room 228–230

Room 207

Room 209

Room 203–205

Room 225–227

Room 210

Room 208

Room 221

3:00 p.m. – 3:45 p.m.

Break – Refreshments available in the Exhibit Hall sponsored by 

3:45 p.m. – 5:15 p.m.

Great Hall AD

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| S14 | Antimicrobials for Foodborne Pathogens, Spoilage Microorganisms, and Navigating FDA GRAS Approval for Novel Compounds |
| S15 | Beyond Detection: How Industry is Using Next Generation Genomic Sequencing to Drive Root Cause Analysis |
| S16 | Antimicrobial Interventions for Meat Safety and Microbial Quality: Present and the Future |
| S17 | How to Decide? Risk-Based Decisions for the Use of Dried Ingredients |
| S18 | Managing the Invisible Threat of Mycotoxins: Emerging Regulatory Frontiers and Future Directions for Risk Management |
| S19 | Biofilms and Viruses: Unveiling Hidden Risks in the Food Chain |
| RT13 | Internal Assessment: Closing the Gap Between Audits and Food Safety Performance |
| RT14 | FSMA at 15: Promise, Progress, and Priorities for the Future |
| RT15 | Product Labeling Mistakes: When Human Failure Leads to a Food Recall; Strategies and Impacts |
| RT16 | How LGBTQIA+ Food Safety Professionals Can Thrive During Less-Affirming Times |
| T2 | Technical Session 2 – Antimicrobials and Animal and Pet Food Safety |
| SS1 | Hands-On Marketplace on Tools and Resources for Food Safety Modeling and Risk Analysis |

Great Hall BC

Room 217–219

Room 228–230

Room 207

Room 209

Room 203–205

Room 225–227

Room 210

Room 208

Room 221

Room 206

EVENING EVENTS

5:15 p.m. – 6:15 p.m.

Monday Exhibit Hall Reception

5:30 p.m. – 6:30 p.m.

Room 208

Nepalese Association for Food Protection Meeting

Room 220

Southeast District Affiliate Information Meeting

5:30 p.m. – 7:00 p.m.

Room 221

Indian Association for Food Protection in North America Meeting

IAFP 2026 PROGRAM

MONDAY, JULY 27

MORNING

Posters will be on display 8:30 a.m. – 6:15 p.m. (see details beginning on page 60)

08:30 AM S01 – Outbreak Symposium: Notable Foodborne Disease Outbreaks from 2025 – Lessons for Public Health and Industry (Part 1)

Great Hall AD

Organizers: Kari Irvin, Ewen Todd

Convenors: Laura Gieraltowski, Michael Batz

Committee on Control of Foodborne Illness

08:30 AM Multistate Outbreaks of *Listeria* Linked to Ready-to-Eat Meals
Amanda Conrad, U.S. CDC, Atlanta, GA, USA

09:00 AM Review of Multistate *Salmonella* Enteritidis Outbreaks Linked to Eggs
Brett Weed, U.S. FDA, College Park, MD, USA; Michael Vasser, CDC, Atlanta, GA, USA

09:30 AM An Overview of Recent Outbreaks of *Salmonella* Infections Linked to Produce Characterized by Prolonged Occurrence of Illnesses After Implemented Recalls
Jaheon Koo, U.S. FDA, College Park, MD, USA; Matthew Wise, CDC, Atlanta, GA, USA

08:30 AM S02 – Smarter Validation Strategies for Low-Water Activity Foods: Product Grouping and Revalidation in Practice (Part 1)

Room 217-219

Organizers: Ruth Oni, Aparna Tatavarthy

Convenors: Jena Roberts, Aparna Tatavarthy

Low-Water Activity Foods PDG

08:30 AM Leveraging Product Grouping for Smarter Validation Studies
Laure Pujol, Novolyze, Daix, France

09:00 AM Product Grouping in Practice: ASTA and the Spice Industry's Approach
Shannen Gorman, ASTA, Washington, D.C., USA

09:30 AM When Is Validation No Longer Valid? Identifying Triggers for Revalidation
Grishma Prabhukhot, Elite Spice, Jessup, MD, USA

08:30 AM S03 – The Utilization of Large-Scale Sequence Databases for Foodborne Pathogen Characterization and Functional Genomics (Part 1)

Room 228-230

Organizer: Steven Foley

Convenors: Maria Hoffmann, Steven Foley

Advanced Molecular Analytics PDG

08:30 AM Introduction into Publicly Available Genomics Resources and How They are Being Used Within the FDA
Steven Foley, U.S. FDA, Jefferson, AR, USA
Organizer: Steven Foley
Convenor: Steven Foley

09:00 AM CDC's Use of Genomics Resources for Food Safety and Public Health
Heather Carleton, U.S. CDC, Atlanta, GA, USA

09:30 AM FSIS's Use of Genomics Resources for Food Safety and Public Health
Glenn Tillman, USDA-FSIS, Athens, GA, USA

08:30 AM S04 – Food Safety in Indigenous Arctic Food Systems in Face of Climate Change

Room 207

Organizer: Jeffrey LeJeune

Convenor: Jeffrey LeJeune

*Viral and Parasitic Foodborne Disease PDG
FAO*

08:30 AM Food Safety Perceptions and Concerns Among Arctic Indigenous Peoples
Amanda Boyd, Washington State University, Pullman, WA, USA

09:00 AM Scoping Review of Food Safety Hazards in the Arctic
Maura Di Martino, Food and Agriculture Organization of the United Nations (FAO), Rome, Italy

09:30 AM Traditional Knowledge, Practices and Food Safety Among Arctic Indigenous Peoples in Face of Climate Change
Kristeen McTavish, Memorial University, Saint John's, Canada

08:30 AM S05 – Surf & Turf Safety: Innovations in Dry-Aging Muscle Foods

Room 209

Organizers: Tori Stivers, Kathryn Parraga-Escalante

Convenor: Evelyn Watts

Seafood Safety and Quality PDG

Meat and Poultry Safety and Quality PDG

08:30 AM Understand the Principles and Practices of Dry-Aging of Beef
Phillip Bass, University of Idaho, Moscow, ID, USA

09:00 AM Identify Data Gaps and Research Needs in the Dry-Aging of Seafood
Kathryn Parraga-Escalante, Purdue University, Vincennes, IN, USA

09:30 AM Explore the Emerging Trend of Dry-Aging Fish in Culinary Settings
Michael Nelson, GW Fins, New Orleans, LA, USA

08:30 AM RT01 – The Changing Landscape of Scientific Publishing: Predatory Journals, AI, and Compromising Scientific Peer Review

Room 203-205

Organizer: Joshua Gurtler

Moderator: Joshua Gurtler

Developing Food Safety Professionals PDG

Luca Coccolin, University of Torino, Grugliasco, Italy
Catherine Nettles Cutter, Penn State University, University Park, PA, USA
Doris D'Souza, University of Tennessee Knoxville, Knoxville, TN, USA
Panagiotis Skandamis Agricultural University of Athens, Kallithea, Greece
Keith Warriner, University of Guelph, Guelph, Ontario, Canada
Marcel Zwietering, Wageningen University, Wageningen, Netherlands

08:30 AM RT02 – Enhancing Hazard Analysis: Separating Ingredient and Process Step Evaluations for Improved Food Safety

Room 225-227

Organizers: Balasubrahmanyam (Bala) Kottapalli, Yvonne Masters

Moderators: Balasubrahmanyam (Bala) Kottapalli, Yvonne Masters

HACCP Utilization and Food Safety Systems PDG

Byron Chaves, Rutgers University, New Brunswick, NJ, USA
Timothy Jackson, FDA-CFSAN, Santa Cruz, CA, USA
Loralyn Ledenbach, Ledenbach Food Safety, LLC, Skokie, IL, USA
Sara Mortimore, Sara Mortimore LLC, Excelsior, MN, USA
Ruth Petran, Ruth Petran Consulting, LLC, Eagan, MN, USA
Aaron Uesugi, Mondelez International, Columbia, MD, USA

08:30 AM RT03 – Balancing Innovation and Consumer Expectations: Aligning Food Safety and Building Trust

Room 210

Organizers: Kristen Hunt, Abigail B. Snyder

Moderator: Polly Courtney

Food Safety Culture PDG

Institute for the Advancement of Food and Nutrition Sciences
Samuel Alcaine, IDFA, Ithaca, NY, USA
Meredith Carothers, USDA-FSIS, Washington, D.C., USA
Ben Chapman, North Carolina State University, Raleigh, NC, USA
Jason Jacobs, Beech-Nut Nutrition, Amsterdam, NY, USA
Mark Moorman, Retired, U.S. FDA, Apex, NC, USA

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08:30 AM RT04 – Learning in Seconds: Rethinking Food Safety Education for the Frontline
Room 208
Organizers: Sara Starck, Akhila Vasan
Moderators: Sara Starck, Akhila Vasan
Food Safety Education PDG
Retail and Foodservice PDG

Julie Abouchar, Amazon and Whole Foods Market Worldwide Grocery Stores, Austin, TX, USA
 Barbara Chamberlin, New Mexico State University, Las Cruces, NM, USA
 Jessica Leatherman, Steritech, Chicago, IL, USA
 Rachel Scanlan, Chick-fil-A, Atlanta, GA, USA
 Jerry Wojtala, International Food Protection Training Institute, Portage, MI, USA

08:30 AM T01 – Developing Scientist Technical Finalists
Room 221
Convenors: Amit Morey, Jovana Kovacevic

08:30 AM T01-01: Adaptive Environmental Monitoring in Low-Moisture Food Processing Systems Using Graph Convolutional Network-Recurrent Neural Network (GCN-RNN)
Arshpreet Kaur Khattri, Michigan State University, East Lansing, MI, USA

08:45 AM T01-02: Farm Wastewater as a Tool for Foodborne Pathogen Surveillance: Microbial and Antimicrobial Resistance Insights
Gabriella Strocko, University of Delaware, Newark, DE, USA

09:00 AM T01-03: Validation of the Dynamic Model for Predicting the Effect of Temperature History on the Lag Phase Duration (LPD) of *Listeria monocytogenes*
Harsimran Kaur Kapoor, University of Georgia, Athens, GA, USA

09:15 AM T01-04: An IoT-Enabled Hybrid Paper/Polymer-Based Device for Rapid and On-Site Detection of *Campylobacter jejuni* in Poultry Products
Yihan He, McGill University, Montreal, Quebec, Canada

09:30 AM T01-05: Two-Year Assessment of *Listeria* spp. Prevalence on Food Contact Surfaces in Cherry Packinghouses
Swapnika Medikonda, Washington State University - Irrigated Agriculture Research and Extension Center, Prosser, WA, USA

09:45 AM T01-06: Moisture Matters: Unintended Consequences of Performing Wet Sanitation in Dry Environments
Calvin Slaughter, Cornell University, Ithaca, NY, USA

10:45 AM S01 – Outbreak Symposium: Notable Foodborne Disease Outbreaks from 2025 – Lessons for Public Health and Industry (Part 2)
Great Hall AD
Organizers: Kari Irvin, Ewen Todd
Convenors: Laura Gieraltowski, Michael Batz
Committee on Control of Foodborne Illness

10:45 AM Identifying Outbreaks with Small Case Counts and Imperfect Data
 Carlota Medus, Minnesota Dept. of Health, St. Paul, MN, USA

11:15 AM An Outbreak of *Salmonella* Infections in Canada Linked to Various Brands of Pistachios and Pistachio-Containing Products
 Katrina Mickanuck, Public Health Agency of Canada, Ottawa, Ontario, Canada

11:45 AM Late Breaker
 Lalitha Kurupatham, Singapore Communicable Diseases Agency, Singapore, Singapore

10:45 AM S02 – Smarter Validation Strategies for Low-Water Activity Foods: Product Grouping and Revalidation in Practice (Part 2)
Room 217-219
Organizers: Ruth Oni, Aparna Tatavarthy
Convenors: Jena Roberts, Aparna Tatavarthy
Low-Water Activity Foods PDG

10:45 AM Developing Validation Strategies That Scale Across Global Supply Chain and Manufacturing Networks
 Aaron Uesugi, Mondelez International, Columbia, MD, USA

11:15 AM From Minor Deviations to Major Redesigns: A Risk-Based Approach to Revalidation Triggers
 Ian Hildebrandt, Michigan State University, East Lansing, MI, USA

11:45 AM Regulatory Expectations Across Product Grouping and Revalidation Strategies
 Elizabeth Grasso-Kelley, U.S. FDA, Darien, IL, USA

10:45 AM S03 – The Utilization of Large-Scale Sequence Databases for Foodborne Pathogen Characterization and Functional Genomics (Part 2)
Room 228-230
Organizer: Steven Foley
Convenor: Steven Foley
Advanced Molecular Analytics PDG

10:45 AM Use of Genomics Databases to Evaluate Microbial Populations and Their Interaction on Foods
 Hendrik Den Bakker, Center for Food Safety, University of Georgia, Griffin, GA, USA

11:15 AM Leveraging Genomics Databases to Understand Different Microbial Lifestyles and Putative Metabolic Adaptations Along the Food Chain
 Ryan Blaustein, University of Maryland, College Park, MD, USA

11:45 AM Use and Impact of Genomics Resources by Industry to Improve Food Safety and Quality
 Celina To, bioMérieux, Marshfield, WI, USA

10:45 AM S06 – Pork Under the Microscope: Advances in Mitigating Old and Emerging Risks
Room 207
Organizers: Mick (Joseph) Bosilevac, Byron Chaves
Convenors: Mick (Joseph) Bosilevac, Byron Chaves
Meat and Poultry Safety and Quality PDG

10:45 AM Virulence Diversity within *Salmonella* and STEC from the Pork Supply Chain
 Mick (Joseph) Bosilevac, USDA-ARS, Clay Center, NE, USA

11:15 AM Modeling the Growth Behavior of *Salmonella* and STEC in Raw Pork Products
 Byron Chaves, Rutgers University, New Brunswick, NJ, USA

11:45 AM Incorporating Science in Practical Industry Decision-Making
 Patrick Mies, Tyson, Springdale, AR, USA

10:45 AM S07 – “Is Circular Safe?” – Balancing Sustainability with Foodborne Viral Risks
Room 209
Organizers: Vijay Juneja, Shalini Sehgal
Convenors: Vijay Juneja, Shalini Sehgal
Viral and Parasitic Foodborne Disease PDG

10:45 AM Safe Water Reuse in Food Systems: Treatment Technologies and Monitoring Approaches
 Suresh Devatkal, Indian Council of Agricultural Research, Hyderabad, India

11:15 AM Foodborne Viral Risk Assessment in Circular Models: Tools and Frameworks
 Ragini Reddyvari, Oregon State University, Portland, OR, USA

11:45 AM Policy and Public Trust: Communicating Viral and Other Risks in Sustainable Food Transitions
 Matthew Moore, University of Massachusetts Amherst, Amherst, MA, USA

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10:45 AM RT05 – What Comes Next: Building Food Safety Strategies After NACMCF Room 203-205

Organizers: Abigail B. Snyder, Elisabetta Lambertini
Moderator: Abigail B. Snyder

Ben Chapman, North Carolina State University, Raleigh, NC, USA
Sandra Eskin, Stop Foodborne Illness, Washington, D.C., USA
David Goldman, Groundswell Strategy, Arlington, VA, USA
Jennifer McEntire, Food Safety Strategy LLC, Frederick, MD, USA
Benjamin Warren, U.S. FDA-CFSAN, Office of Food Safety, Woodbury, MN, USA

10:45 AM RT06 – Hygienic Restoration: Rethinking Risk, Investment, and Continuity in Food Facilities Room 225-227

Organizers: Josie Greve-Peterson, Deb Smith
Moderator: Josie Greve-Peterson

Food Hygiene and Sanitation PDG
Sanitary Equipment and Facility Design PDG

James Davis, OSI Group, LLC, Aurora, IL, USA
Scott King, Fortrex, Dunwoody, GA, USA
Nathan Mirdamadi, Kerry, Joplin, MO, USA
Eric Schweitzer, 3-A Sanitary Standards, Inc., McLean, VA, USA
Adwy Van Den Berg, EHEDG, Amsterdam, Netherlands

10:45 AM RT07 – Full Strength, Fully Understood: Bridging Language Gaps Without Cutting Content Room 210

Organizers: Angela Walla, Neal Fredrickson
Moderator: Jose Guerrero

Food Safety Education PDG
Food Safety Culture PDG
DEI Council

Karla Acosta, University of Houston (Health Inspector), Houston, TX, USA
Laura Acuna-Maldonado, Produce Safety Alliance, Cornell University, Geneva, NY, USA
Richelle Beverly, WK Kellogg Co., Battle Creek, MI, USA
Neal Fredrickson, Cargill, Wayzata, MN, USA
Dina Scott, Wendys, Acworth, GA, USA

10:45 AM RT08 – Is Exact Colony Counting Just Right, or is One-Log Resolution Enough? Room 208

Organizers: Daniele Sohler, Anett Winkler
Moderator: Anett Winkler

Applied Laboratory Methods PDG
Modelling and Risk Analysis PDG

Amanda Brookhouser-Sisney, Midwest Laboratories, Omaha, NE, USA
Caio Carvalho, BRAFP, Sao Jose dos Campos, Brazil
William K. Shaw, Jr., USDA-FSIS, Washington, D.C., USA
Deb Smith, Vikam, Darsham, Suffolk, UK
Pamela Wilger, Post Consumer Brands, Shakopee, MN, USA

10:45 AM T01 – Developing Scientist Technical Finalists Room 221

Convenors: Amit Morey, Jovana Kovacevic

10:45 AM T01-07 – An Integrated Packaging System for Hands-Free Detection of *Salmonella* in Whole Chicken Products Akansha Prasad, McMaster University, Hamilton, Ontario, Canada

11:00 AM T01-08 – Development of an Agent-Based Model That Predicts Risk-Based Set-Back Distances for Flooded Fields YeonJin Jung, Cornell University, Ithaca, NY, USA

11:15 AM T01-09 – Persistence of *E. coli*, *Salmonella*, and *Listeria* from Seedling to Harvest in Two Soilless Farming Systems Auja Bywater, Penn State University, State College, PA, USA

11:30 AM T01-10 – Improving Norovirus Detection Sensitivity Using Engineered Bacterial Concentration Katherine Woo, University of Massachusetts, Amherst, Amherst, MA, USA

11:45 AM T01-11 – Cell Line Infectivity Assay, mRNA Viability Assay and Bulk RNA Sequencing Revealed That High Pressure Processing May Have Limited Efficacy Against *Cryptosporidium parvum* in Apple Juice Using Industry-Relevant Parameters Rory Wang, University of Florida, Lake Alfred, FL, USA

12:00 PM T01-12 – Application of Plasma Nanobubbles for *Salmonella* Inactivation and Mitigation of Cross-Contamination on Fresh Produce in the Presence of Organic Matter Fariha Chowdhury Meem, University of Delaware, Newark, DE, USA

10:45 AM IAFP Marketplace Room 206 Convenor: Yaohua Betty Feng

MP-01: Health Canada's Innovative Approaches to Food Safety Risk Communications Martin Duplessis, Health Canada, Ottawa, Ontario, Canada

MP-02: Free Global Resource: IPWA Key Welfare Indicator Guides for Poultry Andy Vance, International Poultry Welfare Alliance, Tucker, GA, USA

MP-03: An Introductory Collegiate Course to Address the Workforce Shortage of Food Safety Auditors, Inspectors, and Assessors Janet Buffer, The George Washington, Howard, OH, USA

MP-04: Sensor-Enabled Decision Support System for the Mitigation of *Salmonella* in End-to- End Poultry Supply Chain Amit Morey, Auburn University, Auburn, AL, USA

MP-05: A One Health, Pan-European Network Strengthening Surveillance, Clinical Management, and Control of Zoonotic Heperviruses Nigel Cook, Jorvik Food and Environmental Virology Ltd, York, UK

MP-06: Navigating High-Pressure Processing (HPP): A Research-Based Toolkit for Food Entrepreneurs Mary-Grace Danao, University of Nebraska-Lincoln, Lincoln, NE, USA

MP-07: Jumpstart to Produce Safety: Tailored Technical Assistance Increases Adoption of Food Safety Practices on Small and Underserved Farms Mary Choate, UNH Extension, North Haverhill, NH, USA

MP-08: The Buyer's Handbook for AI in Food Niam Abeyinwardena, Cerulean Sky Corporation, Somerville, MA, USA

MP-09: AI-Powered Food Testing: Driving Operational Excellence Through Intelligent Data Analytics Hafiz Khuram Wasim Aslam, Punjab Food Authority, Lahore, Punjab, Pakistan

MP-10: The Development of a Traceability Training Program for Retailers: A Course for Understanding the Food Traceability Rule Savan Everhart Nunn, North Carolina State University, Raleigh, NC, USA

01:30 PM S08 – GRAS 2.0: What's New; Not So New and Its Impact Toward Industry Compliance Great Hall AD

Organizers: Nakia Smith, Anthony Flood
Convenor: Nakia Smith

Food Chemical Hazards and Food Allergy PDG
Developing Food Safety Professionals PDG
IFIC

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01:30 PM	Americans' Perceptions of the U.S. FDA GRAS Program: The Context to Provide Transparency and Public Trust Anthony Flood, IFIC, Washington, D.C., USA	01:30 PM	S12 Keeping Parasites Out of Imported Produce: Learn How to Mitigate <i>Cyclospora</i> Contamination in Fresh Herbs <i>Room 207</i> Organizer: Oscar Galagarza Convenors: Samir Assar, Alexandre Da Silva Fruit and Vegetable Safety and Quality PDG Viral and Parasitic Foodborne Disease PDG
02:00 PM	Overview of the GRAS Process: What it Means to be GRAS Today and in the Future Kristi Muldoon Jacobs, U.S. FDA, College Park, MD, USA	01:30 PM	Education and Outreach Efforts with Key Stakeholders in Colombia and Mexico Mauricio Castelo, U.S. FDA, College Park, MD, USA
02:30 PM	What You Need to Know about GRAS: Best Practices to Achieve Compliance Alex Eapen, Cargill, Wayzata, MN, USA	02:00 PM	Supporting Basil Growers in Colombia with Produce Safety Training and Technical Assistance Noemi Zuniga Thimeos, Inter-American Institute for Cooperation on Agriculture, Santiago, Chile
01:30 PM	S09 – From Risk to Regulation: FAO/WHO Scientific Advice on <i>Listeria monocytogenes</i> and Codex Applications <i>Great Hall BC</i> Organizer: Jeffrey LeJeune Convenor: Martin Duplessis Fruit and Vegetable Safety and Quality PDG Seafood Safety and Quality PDG FAO	02:30 PM	A Produce Company's Food Safety Approach on <i>Cyclospora cayatanensis</i> Robert Mandrell, Produce Safety and Microbiology Research Unit, USDA-ARS, Western Regional Research Center (Retired), Albany, CA, USA
01:30 PM	Shifting Epidemiology of <i>Listeria monocytogenes</i> : Insights from Environmental Monitoring in Fresh Produce Systems Ana Allende, CEBAS-CSIC, Murcia, Murcia, Spain	01:30 PM	S13 – Salmonella in Tahini and Sesame Products: FDA's Multi-Pronged Approach Through Regulatory Oversight and AI-Targeted Sampling <i>Room 209</i> Organizers: Aparna Tatavarthy, Elizabeth Grasso-Kelley Convenors: Aparna Tatavarthy, Elizabeth Grasso-Kelley Low-Water Activity Foods PDG Food Hygiene and Sanitation PDG
02:00 PM	Risk Assessment Models for <i>Listeria monocytogenes</i> Bing Wang, University of Nebraska Lincoln, Lincoln, NE, USA	01:30 PM	Tahini and Sesame Products: Current Regulatory Framework and FDA's Multi-Pronged Oversight Approach Aparna Tatavarthy, U.S. FDA, College Park, MD, USA
02:30 PM	Updating Codex Alimentarius Guidelines to Control <i>Listeria monocytogenes</i> Benjamin Warren, U.S. FDA-CFSAN, Office of Food Safety, Woodbury, MN, USA	02:00 PM	Critical Control Points in Tahini Processing: Validation Challenges and Pathogen Survival in Low Water Activity Systems Elizabeth Grasso-Kelley, U.S. FDA, Darien, IL, USA
01:30 PM	S10 – FSVP at the Border: Rising FDA Detentions and How to Prepare <i>Room 217-219</i> Organizer: Taryn Horr Convenor: Tom Sidebottom Food Law PDG Food Safety Assessment, Audit and Inspection PDG	02:30 PM	Data-Driven Compliance: Applying Artificial Intelligence (AI) and Machine Learning (ML) to Enhance Targeting of Tahini Sampling Chuck Hassenplug, U.S. FDA, College Park, MD, USA
01:30 PM	Building a Defensible FSVP Program: Practical Steps to Avoid Border Disruptions Taryn Horr, Ramboll, Arlington, VA, USA	01:30 PM	RT09 – Best Practices for Governing Data in the AI Era <i>Room 203-205</i> Organizers: David Monk, Sarah Murphy Moderator: James Doyle Data Management and Analytics PDG Modelling and Risk Analysis PDG Kristin Butler, U.S. FDA, College Park, MD, USA Renata Ivanek, Cornell University, Ithaca, NY, USA Cronan McNamara, Creme, Dublin, Ireland Gustavo Reyes, Western Growers Science, St. Louis, MO, USA Suzy Sawyer, Cargill, Inc. Wayzata, MN, USA
02:00 PM	When the Shipment Stops: A Brand's Experience with FSVP-Related Import Detention Christopher Snabes, The Acheson Group, Charlevoix, MI, USA	01:30 PM	RT10 – From Confusion to Compliance: Navigating the FDA Food Traceability Rule for Retailers and Foodservice Establishments <i>Room 225-227</i> Organizers: Carrie Rigdon, Melissa Vaccaro Moderator: Savana Everhart Nunn Retail and Foodservice PDG Food Safety Education PDG Patrick Guzzle, National Restaurant Association, Boise, ID, USA Kathleen O'Donnell-Cahill, Wegmans, Rochester, NY, USA Hilary Thesmar, FMI - The Food Industry Association, Arlington, VA, USA Ellen Thomas Shumaker, North Carolina State University, Raleigh, NC, USA Chris Waldrop, FDA, College Park, MD, USA Carlos Zapata, McDonald's USA, LLC, Chicago, IL, USA
02:30 PM	FSVP Enforcement: What the Data Shows About FDA Priorities Dan Solis, U.S. FDA, Los Angeles, CA, USA		
01:30 PM	S11 – Culture or Molecular? Rethinking When and Why We Confirm Pathogens <i>Room 228-230</i> Organizers: Season (Yicheng) Xie, Jesse Miller Convenors: Season (Yicheng) Xie, Pamela Wilger Advanced Molecular Analytics PDG Applied Laboratory Methods PDG		
01:30 PM	From Regulatory Lens, How Risk Assessment Reshape Confirmation Choices Rachel Binet, U.S. FDA, College Park, MD, USA		
02:00 PM	Discrepancies Between Confirmation Requirements Impact on International Trading Robert Barlow, CSIRO, Brisbane, Australia		
02:30 PM	Practical Data-Driven Decision-Making in Method Selections Amy Bosco, Cargill, Fogelsville, PA, USA		

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01:30 PM RT11 – Every Drop Counts: Advancing Safe Water Reuse in Dairy and Food Processing Room 210

Organizer: Preetha Biswas

Moderator: Preetha Biswas

Dairy Quality and Safety PDG

Meat and Poultry Safety and Quality PDG

De Ann Davis, Western Growers Association, Irvine, CA, USA

Chantal Nde, PepsiCo, Frito-Lay, Plano, TX, USA

Allen Saylor, Center for Food Safety & Regulatory Solutions (CFSRS), Woodbridge, VA, USA

Anett Winkler, Cargill, Duesseldorf, Germany

01:30 PM RT12 – Public Data Aggregation to Support Water Use Decisions in Food Production Room 208

Organizer: Jacqueline Woods

Moderators: Don Stoeckel, Jacqueline Woods

Water Safety and Quality PDG

Data Management and Analytics PDG

Jessica Jones, FDA Human Foods Program, Dauphin Island, AL, USA

Beatriz Martinez-Lopez, University of California Davis, Davis, CA, USA

Drew McDonald, Taylor Fresh Foods, Salinas, CA, USA

Zach Nickerson, National Ecological Observatories Network (NEON), Boulder, CO, USA

Daniel Weller, University of Rochester Medical Center and Virginia Tech, Atlanta, GA, USA

01:30 PM T02 – Antimicrobials and Animal and Pet Food Safety Room 221

Convenors: Alvin Lee, Francisco Zagmutt

01:30 PM **T02-01** – Expansion of pESI-Like Plasmids Across *Salmonella* Serovars: FSIS Data (2020–2025)

Jovita Haro, USDA-FSIS, Athens, GA, USA

01:45 PM **T02-02** – Efficacy and Mode of Action of a Food-Safe Antimicrobial Coating Against Foodborne Pathogens

Catherine Wong, Illinois Institute of Technology, Chicago, IL, USA

02:00 PM **T02-03** – Impact of Brush Bristle Color on the Efficacy of Antimicrobial Lights

Govindaraj Dev Kumar, University of Georgia, Center for Food Safety, Griffin, GA, USA

02:15 PM **T02-04** – Inactivation of *Salmonella* Exposed to Copper-Based Pesticides

Ellen Gabriel, Virginia Tech, Blacksburg, VA, USA

02:30 PM **T02-05** – Synergistic Effects of Bioactive Compounds and Elevated Hydrostatic Pressure for Inactivation of *Listeria monocytogenes*

Sandhya Thapa, Tennessee State University, Nashville, TN, USA

02:45 PM **T02-06** – Surveillance of Antibiotic-Resistant *Campylobacter* in Chicken and Turkey Carcass Rinses Across the United States

Seth Adesope, University of Arkansas, Fayetteville, AR, USA

03:45 PM S14 – Antimicrobials for Foodborne Pathogens, Spoilage Microorganisms, and Navigating FDA GRAS Approval for Novel Compounds Great Hall AD

Organizer: Joshua Gurtler

Convenor: Joshua Gurtler

03:45 PM Innovative Antimicrobial Strategies and Research to Control Foodborne Microorganisms

Layal Karam, Qatar University, Doha, Ad Dawhah, Qatar

04:15 PM Antimicrobial Best Practices for Commercial Food Shelf-Life Extension and Food Spoilage Prevention

Rick Falkenberg, Food Safety and Process Technology Group, Turlock, CA, USA

04:45 PM Introduction to Food Ingredient Regulation in the U.S.

Katie Overbey, FDA-HFP, Baltimore, MD, USA

03:45 PM S15 – Beyond Detection: How Industry is Using Next Generation Genomic Sequencing to Drive Root Cause Analysis Great Hall BC

Organizer: Benjamin Miller

Convenors: Benjamin Miller, Julie Haendiges

Advanced Molecular Analytics PDG

HACCP Utilization and Food Safety Systems PDG

03:45 PM Genomic Surveillance Across Sectors: What Food Safety Can Learn from Hospital and Public Health WGS Programs

Joel Sevinsky, Thelagen Genomics, Highlands Ranch, CO, USA

04:15 PM Crawl, Walk, Run: Industry Implementation of NGS for Environmental Monitoring to Drive Root Cause Analysis

Jerri Lynn Pickett, Tyson Foods, Springdale, AR, USA

04:45 PM A Regulatory Perspective: FDA's Environmental Monitoring Evaluation and Technology Use During Non-Outbreak Situations

Leslie Hintz, U.S. FDA, College Park, MD, USA

03:45 PM S16 – Antimicrobial Interventions for Meat Safety and Microbial Quality: Present and the Future Room 217-219

Organizers: Xianqin Yang, Roopesh Syamaladevi

Convenor: Xianqin Yang

Meat and Poultry Safety and Quality PDG

03:45 PM Bottleneck of Upscaling These Technologies from a Meat Plant Perspective

Tyson Brown, Cargill, Fort Worth, TX, USA

04:15 PM Novel Technology for Decontaminating Equipment Surface

Roopesh Syamaladevi, University of Alberta, Edmonton, Alberta, Canada

04:45 PM Harnessing the Potential of Phages to Mitigate the Risk of *Salmonella* During Poultry Production and Processing

Hany Anany, Agriculture & Agri-Food Canada, Guelph, Ontario, Canada

03:45 PM S17 – How to Decide? Risk-Based Decisions for the Use of Dried Ingredients Room 228-230

Organizer: Heidy Den Besten

Convenor: Linda J. Harris

Low-Water Activity Foods PDG

Modeling and Risk Analysis PDG

03:45 PM Dry But Dangerous?: Outbreaks and Recalls in a Desiccated World

Rob Limburn, Campden BRI Group, Campden, UK

04:15 PM Battling the Bugs: What are the Options for Dried Fruits and Vegetables and What Works?

Jennifer Acuff, University of Arkansas, Fayetteville, AR, USA

04:45 PM Is This Ingredient Safe for Ready-to-Eat Applications? A Risk-based Decision Tool for Product Developers and Suppliers

Polly Courtney, General Mills, Inc., Golden Valley, MN, USA

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03:45 PM S18 – Managing the Invisible Threat of Mycotoxins: Emerging Regulatory Frontiers and Future Directions for Risk Management Room 207

Organizers: Amanda Jones, Michele Sayles

Convenors: Deepa Thiagarajan, Beilei Ge

Animal and Pet Food Safety PDG

Food Chemical Hazards and Food Allergy PDG

03:45 PM The PFI Mycotoxin Task Force Report: Findings, Recommendations, and Industry Implications
Christopher Archer, Nestlé Purina, St. Louis, MO, USA

04:15 PM Next-Generation Mycotoxin Detection and Risk Forecasting: AI Nose Detection, Machine Learning, and Novel Testing Platforms
Giannis Stoitsis, SGS FoodNexus, Athens, Greece

04:45 PM Managing Mycotoxins in Trade and Humanitarian Context
Robert Baker, World Food Program of the United Nations, Rome, Italy

03:45 PM S19 – Biofilms and Viruses: Unveiling Hidden Risks in the Food Chain Room 209

Organizers: Irene Falcó, Doris D'Souza

Convenors: Irene Falcó, Doris D'Souza

Viral and Parasitic Foodborne Disease PDG

Fruit and Vegetable Safety and Quality PDG

03:45 PM Turning Viruses into Allies: Bacteriophage-Based Strategies to Control *Listeria monocytogenes* Biofilms and Enhance Food Safety
Hany Anany, Agriculture & Agri-Food Canada, Guelph, Ontario, Canada

04:15 PM Impact of Microplastics and Biofilms in Virus Stability
Gloria Sánchez, Institute of Agrochemistry and Food Technology, Valencia, Valencian Community, Spain

04:45 PM Improving Food Safety Through Targeted Biofilm Control to Limit Viral Persistence
Julie Jean, Université Laval, Quebec City, Quebec, Canada

03:45 PM RT13 – Internal Assessment: Closing the Gap Between Audits and Food Safety Performance Room 203-205

Organizer: Shahram Ajamian

Moderator: Taryn Horr

Food Safety Assessment, Audit and Inspection PDG

Food Safety Culture PDG

Shahram Ajamian, McCormick and Company, Marietta, GA, USA

James Doyle, Creme Global, Dublin, Ireland

Lone Jespersen, Cultivate SA, Hauterive, Switzerland

Judi Lazaro, AIB International, Manhattan, KS, USA

Emily Moyer, Chabaso Bakery, New Haven, CT, USA

03:45 PM RT14 – FSMA at 15: Promise, Progress, and Priorities for the Future Room 225-227

Organizer: Derek Hladki

Moderator: Steven Mandernach

Food Law PDG

Sandra Eskin, Stop Foodborne Illness, Washington, D.C., USA

Donna Garren, American Frozen Food Institute, Woodbridge, VA, USA

Erik Mettler, U.S. FDA, Silver Spring, MD, USA

Michael Taylor, STOP Foodborne Illness, McLean, VA, USA

Hilary Thesmar, FMI, Arlington, VA, USA

03:45 PM RT15 – Product Labeling Mistakes: When Human Failure Leads to a Food Recall; Strategies and Impacts Room 210

Organizers: Sarah Smith-Simpson, Anthony Flood

Moderators: Sarah Smith-Simpson, Anthony Flood

Physical Hazards and Foreign Material PDG

Retail and Foodservice PDG

International Food Information Council (IFIC)

Ben Chapman, North Carolina State University, Raleigh, NC, USA

Conrad Choiniere, U.S. FDA, College Park, MD, USA

Melanie Downs, University of Nebraska Lincoln, Lincoln, NE, USA

Sarah Kozak-Weaver, Wegmans Food Markets Inc., Rochester, NY, USA

03:45 PM RT16 – How LGBTQIA+ Food Safety Professionals Can Thrive During Less-Affirming Times Room 208

Organizers: Tori Stivers, John Boyce

Moderator: Tori Stivers

Developing Food Safety Professionals PDG

Student PDG

Stacey Acheson, Food Safety Magazine, Los Angeles, CA, USA

Andrew Clarke, Loblaw Companies Limited, Etobicoke, Ontario, Canada

James Jeffrey, University of Maryland, College Park, MD, USA

Chris Jordan, Diversey, Minneapolis, MN, USA

Erin Wade, Olam Food Ingredients, Chicago, IL, USA

03:45 PM T02 – Antimicrobials and Animal and Pet Food Safety Room 221

Convenors: Alvin Lee, Francisco Zagmutt

03:45 PM T02-07 – Microneedle-Enabled Delivery of Bacteriophages for Internal Decontamination of Solid Foods

Akansha Prasad, McMaster University, Hamilton, Ontario, Canada

04:00 PM T02-08 – Evaluation of Antimicrobial Coatings for Controlling *Listeria monocytogenes* and *Penicillium expansum* on Organic Gala Apples During Long-Term Cold Storage
Justin Daniel, University of Georgia, Athens, GA, USA

04:15 PM T02-09 – An Antimicrobial Peptide from *Priestia megaterium*: Isolated from Hydroponics for the Mitigation of *Salmonella* and *Listeria* Biofilms from Food Contact Surfaces

Sheetal Jha, Louisiana State University, Baton Rouge, LA, USA

04:30 PM T02-10 – WITHDRAWN

04:45 PM T02-11 – Post-Processing Control of *Salmonella enterica* in Raw Pet Food Using High-Pressure Processing and Natural Antimicrobials

Jyoti Aryal, Kerry Food Protection & Preservation, Beloit, WI, USA

05:00 PM T02-12 – Use of Bacteriophage Against Multi-Drug-Resistant *Salmonella* in Dry Pet Food Kibbles

Richard Yaw Otwey, University of Maryland Eastern Shore, Princess Anne, MD, USA

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3:45 PM Hands-On Marketplace on Tools and Resources for Food Safety Modeling and Risk Analysis

Room 206

Organizer: Leon Gorris

Convenor: Marcel Zwietering

- HMP-01:** Showcasing the Microbiological Hazard Identification Tool (MHID-DSS)
Marcel Zwietering, Wageningen University, Wageningen, Netherlands
- HMP-02:** Showcasing the Data Exercise Behind Developing the Risk Analysis Aligned Resource
"Dubai's Approach to Food Safety Training for Person's in Charge of Food Businesses"
Bobby Krishna, Dubai Municipality, Dubai, UAE
- HMP-03:** Showcasing the "Growth Predictor" Tool
Panagiotis Skandamis Agricultural University of Athens, Kallithea, Greece
- HMP-04:** Showcasing Sym'Previous
Nicolas Nguyen Van Long, ADRIA, Quimper, France
- HMP-05:** Showcasing the Free Access *Listeria* Control Model (CLCM)
Tushar Verma, Corbion, Lenexa, KS, USA
- HMP-06:** Showcasing the Supply Chain Risk Model (SCRM)
Cecil Bennett-Neefs, University of Illinois Urbana-Champaign, Urbana, IL, USA
- HMP-07:** Showcasing Proof-of-Concept AI-Powered Food Safety Software Tools
Amit Morey, Auburn University, Auburn, AL, USA
- HMP-08:** Showcasing a Free Temperature Control Risk-Reduction Toolkit
Karla Acosta, University of Houston (Health Inspector), Houston, TX, USA
- HMP-09:** Showcasing a Prototype Microbiological Risk Assessment Simulator on Chicken Thermal Inactivation
Kento Koyama; Graduate School of Agricultural Science, Sapporo, Japan;
Hiroki Abe, National Institute of Health Sciences, Kawasaki, Japan
- HMP-10:** Showcasing the Collection of Tools and Resource That FAO has Available Related to Microbiological Risk Analysis
Jeffrey Lejeune, FAO, Rome, Italy
- HMP-11:** Showcasing Version 5 (2026) of the FDA-IRISK Tool
Greg Paoli, Risk Sciences International, Ottawa, Ontario, Canada
- HMP-12:** Showcasing the Draft Agricultural Water Assessment
Don Stoeckel, Produce Safety Alliance at Cornell University, Minneapolis, MN, USA;
Elizabeth Bihn, Cornell University, Geneva, NY, USA
- HMP-13:** Introduction to the International Committee on Predictive Modelling in Foods
Shigenobu Koseki, Hokkaido University, Sapporo, Japan
- HMP-14:** Microbiological Risk Analysis Opportunities and Needs Concerning in Latin America
Francisco Garces, Colombia
- HMP-15:** Showcasing the Freely Available Resources "the Environmental Monitoring Handbook" and "the Risk-Based Food Safety Handbook"
Erin Crowley, Neogen, Lansing, MI, USA
- HMP-16:** Showcasing the ARG Risk & Abundance-Informed Index Tool
Jaber Ghorbani, University of Nebraska-Lincoln, Lincoln, NE, USA

TUESDAY, JULY 28

ALL DAY

8:30 a.m. – 6:15 p.m.

Exhibit Hall

Poster Session 2 – Antimicrobials, Beverages and Acid/Acidified Foods, Food Defense, Food Fraud Prevention, Modeling and Risk Assessment, Plant-Based Alternative Foods, Pre-Harvest Food Safety, Produce, Viruses and Parasites, and Water

P2-001 through P2-121 – Authors present 10:00 a.m. – 11:30 a.m. and 5:15 p.m. – 6:15 p.m.

P2-122 through P2-247 – Authors present 2:15 p.m. – 3:45 p.m. and 5:15 p.m. – 6:15 p.m.

MORNING

8:30 a.m. – 10:00 a.m.

Great Hall AD

S20 AI-Powered Food Safety: Predictive Modeling, Pathogen Detection, and Beyond

Great Hall BC

S21 Best Practices in *Salmonella* and *Cronobacter* Controls in a Low-Moisture Facility Using Dairy Examples

Room 217–219

S22 Upgrading Environmental Monitoring Through Microbiome Mapping in Food Production Plants

Room 228–230

S23 Using Data to Characterize Risk and Prevent *Listeria monocytogenes* Contamination: Challenges and Opportunities

Room 203–205

S24 Mixed Signals: The Prevalence and Risks of Multi-Genotype Pathogen Contamination

Room 207

S25 Building a Data-Driven Culture Today for Safer Food Tomorrow

Room 208

S26 New Sequencing Tools for Improved Parasite Genotyping and Source Tracking in Food

Room 209

S27 Risk, System, Culture, and Business Strategy in Food Safety

Room 225–227

RT17 Hydration Prior to Processing: Controlling Microbial Contaminants in Dry Ingredients

Room 210

RT18 Addressing Knowledge Gaps and Research Priorities for the Impact and Control of Emerging Dry Biofilms in Food Safety

Room 221

T3 Technical Session 3 – Plant-Based Alternative Products, Seafood, Molecular Analytics, Genomics and Microbiome, and Laboratory and Detection Methods

Room 220

T4 Technical Session 4 – Produce and Pre-Harvest Food Safety

10:00 a.m. – 10:45 a.m.

Break – Refreshments available in the Exhibit Hall

10:45 a.m. – 12:15 p.m.

Great Hall AD

Late Late-Breaking Session – An Overview and Perspectives on Recent Outbreaks Involving Infant Formula

Great Hall BC

S28 Mapping Risk to Reality: Applying Biomapping and QMRA to Strengthen Poultry Safety

Room 217–219

S29 From Data to Decision: Predictive Modeling, Validation and *Listeria* Control in RTE Foods

Room 228–230

S30 A Food Safety Data Standard: Update and Report

Room 203–205

S31 Technologies for Improving Recall Management in Retail & Foodservice

Room 207

S32 Breaking Through to Consumers with Technology-Driven Food Safety Education

Room 208

S33 Beyond the Usual Suspects: Risk Perspectives on Emerging Pathogens in Meat and Poultry Products

Room 225–227

RT19 Flexitarians: New Product Offerings Blending the Best of Both Worlds

Room 210

RT20 Translating 100 Years of Hygienic Design from Food Processing Environments into Food Service and Food Retail Equipment and Facility Design

Room 221

T3 Technical Session 3 – Plant-Based Alternative Products, Seafood, Molecular Analytics, Genomics and Microbiome, and Laboratory and Detection Methods

Room 220

T4 Technical Session 4 – Produce and Pre-Harvest Food Safety

Room 209

T5 Technical Session 5 – Microbial Food Spoilage and Sanitation and Hygiene

11:45 a.m. – 1:30 p.m.

Lunch available in the Exhibit Hall sponsored by 

AFTERNOON

12:30 p.m. – 1:15 p.m.

Room 209

IAFP Business Meeting

1:30 p.m. – 3:00 p.m.

Great Hall AD

S34 Life of an Outbreak: From the First Illness to the Courthouse (Part 1)

Great Hall BC

S35 Genomic Analyses to Rank Foodborne Pathogens by Risk

Room 217–219

S36 The Key Performance Indicators of Food Safety Training

Room 228–230

S37 Food Chemical Safety Assessment: How & Why

Room 203–205

S38 Sample Pooling: Sink or Swim

Room 207

S39 All Hands-On Deck: The Pivotal Role of Food and Agrifood Systems in the Global Antimicrobial-Resistance (AMR) Pandemic 

Room 208

S40 Food Fraud Prevention: From Spreadsheets to AI

Room 225–227

RT21 Dry Clean Only: Establishing Dry Sanitation Solutions for Low-Moisture Ready-to-Eat Foods

Room 210

RT22 One Culture, Many Voices: Embedding DEI into Food Safety

Room 209

T6 Technical Session 6 – Low-Water Activity Foods, Data Management and Analytics, and Epidemiology

Room 221

T7 Technical Session 7 – Laboratory and Detection Methods

Room 220

T8 Technical Session 8 – Pre-Harvest Food Safety

3:00 p.m. – 3:45 p.m.

Break – Refreshments available in the Exhibit Hall

3:45 p.m. – 5:15 p.m.

Great Hall AD

S34 Life of an Outbreak: From the First Illness to the Courthouse (Part 2)

Great Hall BC

S41 The Genomics for Food and Feed Safety (Gen-FS) Interagency Collaboration: Recent Advances in Genomics Methods and Data Standards

Room 228–230

S42 Overcoming Challenges of Water Use and Reuse in Food Processing Requires a Holistic Approach

Room 203–205

S43 Beyond the Algorithm: How Food Safety Systems and Culture Adapt in the Age of AI

Room 207

S44 Produce Wash Water: Multi-Company Validation of Critical Parameters

Room 208

S45 Natural Mold Inhibition in Baked Goods: Fermentate Solutions for Sustainability and Waste Reduction

Room 225–227

RT23 Exploring Tomorrow's Food, Today, Under High Pressure: Latest Advances and Challenges 

Room 210

RT24 Theory to Practice: Applying Food Safety Culture Research to Dynamic and Diverse Food Businesses

Room 209

T6 Technical Session 6 – Low-Water Activity Foods, Data Management and Analytics, and Epidemiology

Room 221

T7 Technical Session 7 – Laboratory and Detection Methods

Room 220

T8 Technical Session 8 – Pre-Harvest Food Safety

EVENING EVENTS

5:15 p.m. – 6:15 p.m.

Tuesday Exhibit Hall Reception

5:30 p.m. – 6:30 p.m.

Room 208

African Continental Association for Food Protection Meeting

Room 209

Bangladesh Association for Food Protection in North America Meeting

Room 220

China Association for Food Protection and Chinese Association for Food Protection in North America Meeting

Room 221

Latin America Group Meeting

Room 221

6:30 p.m. – 7:30 p.m.

Hilton – St. Charles

President's Reception 

7:00 p.m. – 9:00 p.m.

Hilton Riverside Building – River/Port/Starboard

Student Mixer

IAFP 2026 PROGRAM

TUESDAY, JULY 28

MORNING

Posters will be on display 8:30 a.m. – 6:15 p.m. (see details beginning on page 60)

08:30 AM S20 – AI-Powered Food Safety: Predictive Modeling, Pathogen Detection, and Beyond

Great Hall AD

Organizers: Samet Ozturk, Surabhi Wason

Convenor: Joyjit Saha

Data Management and Analytics PDG

Modeling and Risk Analysis PDG

08:30 AM Artificial Intelligence Applications for Microbial Growth Modeling in Food Systems
Samet Ozturk, Department of Food Engineering, Gümüşhane University, Gümüşhane, Türkiye

09:00 AM Leveraging Predictive Modeling Approaches in Industry: Opportunities and Challenges
Surabhi Wason, Beloit, WI, USA

09:30 AM AI-Enabled Detection of Microbes - Opportunities and Challenges - Targeting Both Pathogen and Spoilage Microbes
Nitin Nitin, University of California Davis, Davis, CA, USA

08:30 AM S21 – Best Practices in *Salmonella* and *Cronobacter* Controls in a Low-Moisture Facility Using Dairy Examples

Great Hall BC

Organizer: Tim Stubbs

Convenors: Tim Stubbs, Abigail B. Snyder

Dairy Quality and Safety PDG

Low-Water Activity Foods PDG

Innovation Center for U.S. Dairy

08:30 AM Best Practices in Design and Operational GMPs in a Dairy Powder Facility
Montgomery Bohanan, Leprino Foods, Denver, CO, USA

09:00 AM RCA/CAPA in a LM Facility Using EM Data
Karen McCarty, Innovation Center for U.S. Dairy, Belle Plaine, MN, USA

09:30 AM Environmental Monitoring for Enhanced *Salmonella* and *Cronobacter* Controls Including the Use of WGS, Metagenomics and Other Emerging Tools
Dan Belina, Land O'Lakes, St. Paul, MN, USA

08:30 AM S22 – Upgrading Environmental Monitoring Through Microbiome Mapping in Food Production Plants

Room 217-219

Organizers: Luxin Wang, Kalliopi Rantsiou

Convenor: Luxin Wang

Advanced Molecular Analytics PDG

08:30 AM Insights from Microbiota Profiling Across Meat Processing Facilities
Jasna Kovac, The Pennsylvania State University, University Park, PA, USA

09:00 AM Beyond Presence/Absence: The 'Why Now' Case for a Metagenomic EMP
Jack Burnett, Vikan, Zionsville, IN, USA

09:30 AM Microbiome Monitoring to Understand Environmental Sources and Patterns of Succession Linked with Quality and Safety Traits of Artisanal Blue-Veined Cheeses
Avelino Álvarez Ordóñez, University of León, León, Spain

08:30 AM S23 – Using Data to Characterize Risk and Prevent *Listeria monocytogenes* Contamination: Challenges and Opportunities

Room 228-230

Organizers: Kristina Barlow, Isabel Walls

Convenor: John Jarosh

Meat and Poultry Safety and Quality PDG

08:30 AM USDA FSIS Data Gathering Efforts to Predict *Listeria monocytogenes* Contamination of RTE Meat and Poultry Products
Isabel Walls, USDA-FSIS, Washington, D.C., USA

09:00 AM How Industry Uses Data to Monitor Data to Prevent *Listeria monocytogenes* Contamination
Sharon Beals, BeaconPoint Labs, Kannapolis, NC, USA

09:30 AM Data Driven Control Strategies to Reduce Listeriosis from Foods
Kathleen Glass, University of Wisconsin-Madison, Madison, WI, USA

08:30 AM S24 – Mixed Signals: The Prevalence and Risks of Multi-Genotype Pathogen Contamination

Room 203-205

Organizer: Cameron Parsons

Convenors: Cameron Parsons, Angela Nguyen

Advanced Molecular Analytics PDG

Applied Laboratory Methods PDG

08:30 AM FDA Instances of Public Health Events Involving Multi-Genotype Pathogen Contamination
Margaret Kirchner, FDA CORE, College Park, MD, USA

09:00 AM *L. monocytogenes* and other *Listeria* Species, Instances of Co-Culturing/ Co-Localization and Why We Should Care
Catharine Carlin, IEH Laboratories and Consulting Group, Forest Park, WA, USA

09:30 AM Tools to Address Instances of Multi-Genotype Contamination in Foods
Baback Gharizadeh, Chapter Diagnostics, Menlo Park, CA, USA

08:30 AM S25 – Building a Data-Driven Culture Today for Safer Food Tomorrow

Room 207

Organizers: Devin LaPolt, Barbara Kowalczyk

Convenors: Naim Montazeri, Amani Babekir

Data Management and Analytics PDG

Food Safety Culture PDG

08:30 AM What is a Data Culture and Why it Matters in Food Safety
Barbara Kowalczyk, George Washington University, Washington, D.C., USA

09:00 AM Data as a Strategic Asset: Shaping An Effective Data Culture in the Food Industry
Cronan McNamara, Creme, Dublin, Ireland

09:30 AM Embedding Data Culture in Regulatory Oversight: Ensuring Food Safety in the Modern Era
Andrew Kennedy, iFoods DS, Seattle, WA, USA

08:30 AM S26 – New Sequencing Tools for Improved Parasite Genotyping and Source Tracking in Food

Room 208

Organizer: Monica Santin-Duran

Convenors: Sonia Almeria, Monica Santin-Duran

Viral and Parasitic Foodborne Disease PDG

Advanced Molecular Analytics PDG

08:30 AM Sequencing the Hidden Genetic Diversity of Foodborne Protozoan Parasites
Monica Santin-Duran, USDA, Beltsville, MD, USA

09:00 AM Source Tracking *Cyclospora cayentanensis*: A Targeted Amplicon Sequencing Approach
Susan Leonard, U.S. FDA, Laurel, MD, USA

09:30 AM Application of Novel Sequencing Approaches for *Cryptosporidium* Epidemiological Surveillance
Guy Robinson, Cryptosporidium Reference Unit, Public Health Wales Microbiology, Swansea, UK

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08:30 AM S27 – Risk, System, Culture, and Business Strategy in Food Safety Room 209

Organizer: Lone Jespersen
Convenor: Shingai Nyarugwe

HACCP Utilization and Food Safety Systems PDG

08:30 AM What is Food Safety Risk Profiling and Why Should You Care?
Lone Jespersen, Cultivate SA, Hauterive, Switzerland

09:00 AM Risk Profiling: A Regulator's View
Conrad Choiniere, U.S. FDA, College Park, MD, USA

08:30 AM RT17 – Hydration Prior to Processing: Controlling Microbial Contaminants in Dry Ingredients Room 225-227

Organizer: Manoj Sawale
Moderator: Kavita Patil

Beverages and Acid/Acidified Foods PDG
Plant-Based Alternative Products Quality and Food Safety PDG

Nathan Anderson, U.S. FDA, Bedford Park, IL, USA
Pablo Coronel, CRB Group, Cary, NC, USA
Yuqian Lou, PepsiCo, Valhalla, NY, USA
Dharmendra Mishra, Purdue University, West Lafayette, IN, USA
Wilfredo Ocasio, IEH Laboratories and Consulting Group, Seattle, WA, USA
Aikansh Singh, Tetra Pak, Frisco, TX, USA

08:30 AM RT18 – Addressing Knowledge Gaps and Research Priorities for the Impact and Control of Emerging Dry Biofilms in Food Safety Room 210

Organizers: David Blomquist, Juan Goncalves
Moderator: Juan Goncalves

Food Hygiene and Sanitation PDG

Neil Bogart, Post Consumer Brands, Alabaster, AL, USA
Jeffrey Kornacki, Kornacki Microbiology Solutions, Inc., Madison, WI, USA
Jean-Yves Maillard, Cardiff University, Cardiff, Wales, UK
Mark Moorman, Retired, U.S. FDA, Apex, NC, USA
Haley Oliver, Purdue University, Lafayette, IN, USA
Melissa Vaccaro, NEHA, Denver, CO, USA

08:30 AM T03 – Plant-Based Alternative Products, Seafood, Molecular Analytics, Genomics and Microbiome, and Laboratory and Detection Methods Room 221

Convenors: Kerry Cooper, Jiyeon Yi

08:30 AM **T03-01** – Synergistic Antimicrobial and Immunomodulatory Effects of *Lactiplantibacillus plantarum* and Berry Pomace Extracts Against Avian Pathogenic *E. coli*
Kanchan Thapa, University of Maryland, College Park, MD, USA

08:45 AM **T03-02** – Foodborne Pathogen Outbreaks and Recalls Linked to Legume Foods and Sprouts, Worldwide, 2012–2025
Natoavina Faliarizao, Michigan State University, East Lansing, MI, USA

09:00 AM **T03-03** – Genetically Close *Listeria monocytogenes* Isolates Show Divergent Growth Under Cold-Smoked Salmon Processing Stresses
Nicolas Nguyen Van Long, ADRIA, Quimper, France

09:15 AM **T03-04** – Prevalence, Multidrug Resistance and Multiple Antibiotic Resistance Index of *Vibrio cholerae* and *Vibrio parahaemolyticus* in Feral Fish from Two Major Dams in Ibadan, Nigeria
Selim Alarape, University of Ibadan, Ibadan, Oyo, Nigeria

09:30 AM **T03-05** – pESI-Like Megaplasids: Assessing Dissemination Likelihood and Determinants of Horizontal Transfer Using Genomic Language Models
Daniel Tichy, Universidad Andrés Bello, Santiago, Región Metropolitana, Chile

09:45 AM **T03-06** – Survival of Extraintestinal Pathogenic *Escherichia coli* Strains During Municipal Biosolids Treatment and Potential Implications for Food and Water Safety
Ashley Chew, University of Alberta, Edmonton, Alberta, Canada

08:30 AM T04 – Produce and Pre-Harvest Food Safety Room 220

Convenors: Douglas Marshall, Veerachandra Yemmireddy

08:30 AM **T04-01** – Behavior of *Salmonella* and *Listeria monocytogenes* in Frozen Blueberry at Two Inoculum Levels
Monica Osorio-Barahona, Virginia Tech, Blacksburg, VA, USA

08:45 AM **T04-02** – *E. coli* O157: H7 Exploits Increased Nutrient and Temperature Conditions to Grow in Simulated Agricultural Runoff
Amy Siceloff, ORISE, Beltsville, MD, USA

09:00 AM **T04-03** – Seed-Associated *Listeria monocytogenes* Drives Microgreen Contamination During Germination and Growth
Anjana Thankachan, University of Connecticut, Storrs, CT, USA

09:15 AM **T04-04** – In-Field Validation of Postharvest Water Management Practices to Prevent Cross-Contamination in Apple Packinghouses
Monica Osorio-Barahona, Virginia Tech, Blacksburg, VA, USA

09:30 AM **T04-05** – Characterizing the Impact of Freeze-Damage Watersoak on the Dynamics of *L. monocytogenes* and *E. coli* O157:H7 on Chopped Romaine Lettuce
Sriya Sunil, Cornell University, Ithaca, NY, USA

09:45 AM **T04-06** – Effectiveness of UV-C Light and Hydrogen Peroxide in a Pilot Scale Brush Bed for Controlling *Listeria innocua* and Generic *Escherichia coli* on Apples
Miriam Ruiz, Washington State University - Irrigated Agriculture Research and Extension Center, Prosser, WA, USA

10:45 AM LATE BREAKING: An Overview and Perspectives on Recent Outbreaks Involving Infant Formula Great Hall AD

Organizer: Mark Carter
Convenor: Mark Carter

10:45 AM Infant Botulism and Powdered Infant Formula: Historical Perspectives
Don Zink, IEH Laboratories & Consulting Group, Taylors, SC, USA

11:10 AM The Infant Botulism Outbreak Linked to ByHeart PIF: The Outbreak Investigation at Byheart, and the Moving Forward Plan
Niall Mullane, Byheart, New York, NY, USA

11:30 AM *C. botulinum* Control at the Farm Level
Martin Wiedmann, Cornell University, Ithaca, NY, USA

11:50 AM Laboratory Investigation of the Outbreak: Methods, Results, Challenges, and Solutions
Mansour Samadpour, IEH Laboratories & Consulting Group, Lake Forest Park, WA, USA

10:45 AM S28 – Mapping Risk to Reality: Applying Biomapping and QMRA to Strengthen Poultry Safety Great Hall BC

Organizer: Angélica Godínez Oviedo
Convenor: Francisco Garces-Vega

Meat and Poultry Safety and Quality PDG
Modeling and Risk Analysis PDG

10:45 AM Evaluating *Salmonella* Risk in Poultry Through QMRA Integrated with Biomapping of Strain Variability
Angélica Godínez Oviedo, Universidad Autónoma de Querétaro, Querétaro, Mexico

11:15 AM Integrating Microbiological and Processing Data for Statistical Process Control of *Salmonella* in Poultry Processing
Matthew Stasiewicz, University of Illinois, Urbana, IL, USA

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11:45 AM	A Case Study on Integrating QMRA with Bio-Mapping and Intervention Data to Assess Consumer-Level Risk in Poultry Surabhi Wason, Kerry, Beloit, WI, USA	11:15 AM	Stop the Doom Scroll: Technology Solutions in Food Safety Education Ellen Thomas Shumaker, North Carolina State University, Raleigh, NC, USA
10:45 AM	S29 – From Data to Decision: Predictive Modeling, Validation and <i>Listeria</i> Control in RTE Foods <i>Room 217-219</i> Organizers: Eelco Heintz, Marcel Zwietering Convenors: Eelco Heintz, Gijs Lommerse Modeling and Risk Analysis PDG International Food Protection Issues PDG	11:45 AM	Augmented Expertise: AI-Driven Adaptive Learning Systems Jeremy Jackson, Meta, Washington, D.C., USA
10:45 AM	Building a Predictive Model for <i>Listeria</i> Growth in Meat Using AI Driven Data Analyses, within Boundaries of the Most Common Scientific Growth Models Gijs Lommerse, Kerry, Wageningen, Netherlands	10:45 AM	S33 – Beyond the Usual Suspects: Risk Perspectives on Emerging Pathogens in Meat and Poultry Products <i>Room 208</i> Organizer: Byron Chaves Convenors: Byron Chaves, Thomas Taylor Meat and Poultry Safety and Quality PDG
11:15 AM	Advancing Predictive Modeling for <i>Listeria</i> Control: Model Validation and Effect of Food Matrix and Composition Marcel Zwietering, Wageningen University, Wageningen, Netherlands	10:45 AM	Growth and Mitigation of <i>Allerobacter butzleri</i> in Raw Chicken Products Byron Chaves, Rutgers University, New Brunswick, NJ, USA
11:45 AM	Application of Predictive Models for Selection of Suitable Antimicrobials to Enhance Food Safety Niraj Shrestha, Kraft Heinz, Glenview, IL, USA	11:15 AM	Quantitative Microbial Risk Assessment of <i>E. albertii</i> in Raw Meats Thomas Taylor, Texas A&M University, College Station, TX, USA
10:45 AM	S30 – A Food Safety Data Standard: Update and Report <i>Room 228-230</i> Organizers: Angela Anandappa, Joseph Heinzelman Convenor: Angela Anandappa Data Management and Analytics PDG	11:45 AM	<i>C. diff</i> in Meats? Exploring Hypotheses Jennifer Auchtung, University of Nebraska Lincoln, Lincoln, NE, USA
10:45 AM	Review of the Draft Data Standard Joseph Heinzelman, Neogen, Okemos, MI, USA	10:45 AM	RT19 – Flexitarians–New Product Offerings Blending the Best of Both Worlds <i>Room 225-227</i> Organizers: Deepa Thiagarajan, Joyjit Saha Moderators: Deepa Thiagarajan, Lily Yang Plant-Based Alternative Products Quality and Food Safety PDG Meat and Poultry Safety and Quality PDG
11:15 AM	Key Milestones: Input, Governance, and Change Management James Doyle, Creme Global, Dublin, Ireland		Melanie Abley, USDA-FSIS, Washington, D.C., USA Aaron Asmus, Hormel Foods, Austin, MN, USA Aaron Pleitner, Certified Group, Piedmont, GA, USA Joyjit Saha, Kerry, Beloit, IL, USA
11:45 AM	Current Strategies and Positioning of a Food Safety Data Standard Vikrant Dutta, bioMérieux Inc., Hazelwood, MO, USA	10:45 AM	RT209 – Translating 100 Years of Hygienic Design from Food Processing Environments into Food Service, Food Retail Equipment, and Facility Design <i>Room 210</i> Organizers: David Rasmussen, Nicolas Vivanco Moderator: Dale Grinstead Food Hygiene and Sanitation PDG Retail and Foodservice PDG
10:45 AM	S31 – Technologies for Improving Recall Management in Retail and Foodservice <i>Room 203-205</i> Organizer: Tracie Sheehan Convenor: Tracie Sheehan Retail and Foodservice PDG Food Chemical Hazards and Food Allergy PDG		Mark Moorman, Retired, U.S. FDA, Apex, NC, USA Haley Oliver, Purdue University, West Lafayette, IN, USA Howard Popoola, The Kroger Co., Cincinnati, OH, USA Eric Schweitzer, 3-A Sanitary Standards, Inc., McLean, VA, USA Hein Timmerman, EHEDG & Diversey, a Solenis Company, Gent, Belgium Angela Valadez, Publix Super Markets, Inc., Lakeland, FL, USA
10:45 AM	Allergen Recalls: The Food Safety Impact of Immediate Notifications Direct to Food Allergic Individuals and Care-Givers Gale Prince, SAGE Food Safety Consultants, LLC, Cincinnati, OH, USA	10:45 AM	T03 – Plant-Based Alternative Products, Seafood, Molecular Analytics, Genomics and Microbiome, and Laboratory and Detection Methods <i>Room 221</i> Convenors: Kerry Cooper, Jiyeon Yi
11:15 AM	Digital Communication Methodologies Direct to Clients who Purchased That Recalled Food from Wegmans Food Markets Brittany Holmes, Wegmans Food Markets, Rochester, NY, USA	10:45 AM	T03-07 – <i>Pseudomonas fluorescens</i> A506 Inhibits <i>Escherichia coli</i> O157: H7 on Romaine Lettuce by Inducing Metal Stress Tongzhou Xu , University of Georgia, Griffin, GA, USA
11:45 AM	Technology Driven Equipment: Preventing Consumers from Purchasing Recalled Foods in Vending Machines Tatiana Lorca, Canteen (Compass Group NA), Charlotte, NC, USA	11:00 AM	T03-08 – Development and Validation of a Multiplex PCR for Five Common Serovars of <i>Salmonella</i> (mPCRSE+ST+SH+STho+Slnf) Dele Ogunremi , Canadian Food Inspection Agency, Ottawa, Ontario, Canada
10:45 AM	S32 – Breaking Through to Consumers with Technology-Driven Food Safety Education <i>Room 207</i> Organizer: Aaron Lavallee Convenor: Aaron Lavallee Food Safety Education PDG	11:15 AM	T03-09 – High-Throughput Next-Day Isolation of Pure <i>Salmonella</i> Colonies from Produce Using Digital Culturing and Phenotyping Paul Liu , Microsensor Labs, Chicago, IL, USA
10:45 AM	AI-Powered Smart Shop Technology Integration Sara Starck, Instacart, Arlington, VA, USA		

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11:30 AM	T03-10 – Rapid Classification of Native and Vaccine Strains of <i>Salmonella</i> Typhimurium Using Whole-Cell MALDI-TOF Mass Spectrometry Christopher Anderson , USDA-ARS, Food Safety and Enteric Pathogens Research Unit, Ames, IA, USA	01:30 PM	S34 – Life of an Outbreak: From the First Illness to the Courthouse (Part 1) <i>Great Hall AD</i> Organizer: Margaret Kirchner Convenor: Carlota Medus Committee on Control of Foodborne Illness Food Law PDG
11:45 AM	T03-11 – Comparative Analysis of <i>Salmonella</i> Serotype Determination Using BetterCallSal, SeqSero2, and SISTR Andrew Morin , Mérieux NutriSciences, Crete, IL, USA	01:30 PM	Patient Testimonial Joy Dell'Aringa, bioMérieux, Chicago, IL, USA
12:00 PM	T03-12 – Digital PCR Assay for the Detection and Quantification of <i>Salmonella</i> Levels in Chicken Breast Nethraja Kandula , Florida State University, Tallahassee, FL, USA	02:00 PM	How Does CDC Solve Outbreaks of Foodborne Illness? Laura Gieraltowski, Centers for Disease Control and Prevention, Atlanta, GA, USA
10:45 AM	T04 – Produce and Pre-Harvest Food Safety <i>Room 220</i> Convenors: Douglas Marshall, Veerachandra Yemmeddy	02:30 PM	How Does FDA Solve Outbreaks? Margaret Kirchner, FDA CORE, College Park, MD, USA
10:45 AM	T04-07 – Application of Gaseous Ozone and Non-Thermal Plasma as Eco-Friendly Alternatives to Chlorine for Alfalfa Seed and Sprout Decontamination Mostafa Ali , The Ohio State University, Columbus, OH, USA	01:30 PM	S35 – Genomic Analyses to Rank Foodborne Pathogens by Risk <i>Great Hall BC</i> Organizers: John Jarosh, Isabel Walls Convenor: Glenn Tillman Advanced Molecular Analytics PDG Meat and Poultry Safety and Quality PDG
11:00 AM	T04-08 – Longitudinal Survey of <i>Salmonella</i> Prevalence in California's Central Coast Rebecca Bell , U.S. FDA, College Park, MD, USA	01:30 PM	Virulence Differences within <i>Listeria</i> and <i>Salmonella</i> Renato Orsi, Cornell University, Ithaca, NY, USA
11:15 AM	T04-09 – Systemic Transfer and Postharvest Persistence of <i>Escherichia coli</i> O157: H7 in NFT Hydroponic Bib Lettuce Valeria Santillan Oleas , Colorado State University, Fort Collins, CO, USA	02:00 PM	Building Diagnostic Tests Around Genomics of STEC Vikrant Dutta, bioMérieux Inc., Hazelwood, MO, USA
11:30 AM	T04-10 – Pathogenic Shiga Toxin-Producing <i>Escherichia coli</i> Distribution and Transmission Pathways in California's Central Coastal Growing Region: A Longitudinal Environmental Survey Julie Ann Kase , FDA/HFP, College Park, MD, USA	02:30 PM	How the Meat Industry Sees the Benefits of Genomics to Target Riskier Pathogens KatieRose McCullough, Meat Institute, Arlington, VA, USA
11:45 AM	T04-11 – Persistence of <i>Salmonella</i> spp. and <i>Listeria monocytogenes</i> in Hydroponic Lettuce Production Based on Soilless Substrate Type Eric Tetteh , University of Arkansas, Fayetteville, AR, USA	01:30 PM	S36 – The Key Performance Indicators of Food Safety Training <i>Room 217-219</i> Organizer: Neal Fredrickson Convenor: Alexander Evans Food Safety Education PDG
12:00 PM	T04-12 – Foodborne Pathogen Transfer and Persistence in Integrated Crop-Livestock Systems: Sheep Grazing in Organic Nut Orchards Joanna G. Rothwell , University of California Davis, Davis, CA, USA	01:30 PM	The State of Food Safety Training: Insights from the 9th Global Food Safety Training Benchmark Survey Laura Nelson, Culture Strategies Group
10:45 AM	T05 – Microbial Food Spoilage and Sanitation and Hygiene <i>Room 209</i> Convenors: Jovana Kovacevic, Joelle Salazar	02:00 PM	Evaluating the Implementation of Certified Food Protection Manager Requirement on Routine Inspection Performance in Franklin County, Ohio Allison Howell, The Ohio State University, Columbus, OH, USA
10:45 AM	T05-01 – Antifungal Activity of <i>Lactiplantibacillus plantarum</i> PMO 08 and Its Potential Application in Yogurt Hyo-Jin Park , Kyungpook National University/Food Biotechnology, Daegu, Korea (the Republic of)	02:30 PM	Multilevel Analysis of Training Design on Long-Term Audit Results Neal Fredrickson, Cargill, Wayzata, MN, USA
11:00 AM	T05-02 – Species-Level Characterization of the Spoilage-Associated Microbiota in Retail Ground Beef Peipei Zhang , Colorado State University, Fort Collins, CO, USA	01:30 PM	S37 – Food Chemical Safety Assessment: How and Why <i>Room 228-230</i> Organizer: Neal Saab Convenor: Paul Hanlon Food Chemical Hazards and Food Allergy PDG Food Packaging PDG
11:15 AM	T05-03 – Microbiological and Physicochemical Evaluation of Different Sea Moss Gels formulations: Implication for Shelflife and Food Safety Ann Vegdahl , Cornell University, Geneva, NY, USA	01:30 PM	Principles of Food Toxicology Norbert Kaminski, Michigan State University, East Lansing, MI, USA
11:30 AM	T05-04 – Acidic Treatments for Inactivation of O157 and Non-O157 Shiga Toxin-Producing <i>Escherichia coli</i> Biofilms Niraj Ghimire , Public Health Microbiology Laboratory, Tennessee State University, Nashville, TN, USA	02:00 PM	Regulatory Food Chemical Safety Kristi Muldoon Jacobs, U.S. FDA, College Park, MD, USA
11:45 AM	T05-05 – Ultraviolet Inactivation (UV-C) of Bacterial and Virus Aerosols in Air Nirmal Thirunavookarasu Sankaranarayanan , Tennessee State University, Nashville, TN, USA	02:30 PM	Anatomy of a GRAS Determination Craig Llewellyn, J.S. Held, Atlanta, GA, USA
12:00 PM	T05-06 – Postbiotics in Aerated Water Reduce <i>Salmonella</i> Biofilms in Dairy Processing Environments Veera Venkata Praveen Raja Kosuri , University of Connecticut, Storrs, CT, USA		

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01:30 PM	S38 – Sample Pooling: Sink or Swim Room 203-205 Organizer: Marcel Zwietering Convenor: Konrad Korzeniowski Modeling and Risk Analysis PDG International Food Protection Issues PDG ILSI-Europe	01:30 PM	RT22 – One Culture, Many Voices: Embedding DEI into Food Safety Room 210 Organizers: Lola Oyedokun, Jill Stuber Moderator: Jill Stuber Developing Food Safety Professionals PDG Food Safety Culture PDG DEI Council Moazzam Chaudhry, Richelieu Foods, Wheeling, IL, USA Ayo Dahunsi, Chicago, IL, USA Tia Glave, Catalyst Food Leaders, Baltimore, MD, USA Jay Mayr, JTMayr Food Safety and Quality Consulting, LLC, Saint John, IN, USA Adeniyi Odugbemi, Archer Daniels Midland Co (ADM), Decatur, IL, USA
01:30 PM	Pooling of Samples: Scope, Definitions, Advantages and Disadvantages Anett Winkler, Cargill, Duesseldorf, Germany		
02:00 PM	When is Pooling (Not) Possible: Kinetic and Statistical Aspects Marcel Zwietering, Wageningen University, Wageningen, Netherlands		
02:30 PM	Validation and Verification of Pooling Alvin Lee, Institute for Food Safety and Health, Bedford Park, IL, USA		
01:30 PM	S39 – All Hands On Deck: The Pivotal Role of Food and Agrifood Systems in the Global Antimicrobial Resistance (AMR) Pandemic Room 207 Organizer: Jorge Pinto Ferreira Convenor: Issmat Kassem Seafood Safety and Quality PDG	01:30 PM	T06 – Low-Water Activity Foods, Data Management and Analytics, and Epidemiology Room 209 Convenors: Nadia Narine, Evan Rosen 01:30 PM T06-01 – Enhancing Microbial Safety of Low-Moisture Foods: Active Packaging Approach to Mitigate <i>Listeria</i> and <i>Salmonella</i> on Pecans During Storage Pratiksha Shrestha, Louisiana State University, Baton Rouge, LA, USA 01:45 PM T06-02 – Digital Normalization of Raw Milk Consumption: A Data-Driven Analysis of Food Safety Risk Discourse on YouTube Imran Ahmad, Florida International University, North Miami, FL, USA 02:00 PM T06-03 – Lettuce Know: Assessing Willingness to Pay for Irradiated Produce Melanie Firestone, University of Minnesota School of Public Health, Minneapolis, MN, USA 02:15 PM T06-04 – Integrating Climate Indicators into Foodborne Disease Surveillance Using Routinely Available Data in Low-Resource Settings Devin LaPolt, George Washington University, Washington, D.C., USA 02:30 PM T06-05 – Beyond Prevalence: A Risk-Based Framework for Selecting <i>Salmonella</i> Serovar Targets in Poultry Dan Taylor, EpiX Analytics, Fort Collins, CO, USA 02:45 PM T06-06 – Food Source Attribution Methods for Campylobacteriosis: A Scoping Review Michael Batz, U.S. FDA, College Park, MD, USA
01:30 PM	S40 – Food Fraud Prevention: From Spreadsheets to AI Room 208 Organizers: Karen Everstine, Elise Forward Convenor: Karen Everstine Food Fraud PDG	01:30 PM	T07 – Laboratory and Detection Methods Room 221 Convenors: Terry Arthur, Alexandra Calle 01:30 PM T07-01 – Validation of the Neogen® Molecular Detection Assay 2 for the Detection of <i>Salmonella</i>, <i>E. coli</i> O157, Shiga Toxin-Producing <i>Escherichia coli</i> from Raw Beef and Raw Pork Sampling Cloths, and Raw Chicken Parts and Raw Turkey Carcass Sampling Mitts Quynh-Nhi Le, Neogen Corporation, Lansing, MI, USA 01:45 PM T07-02 – Comparison of <i>Campylobacter</i> Diversity from USDA-FSIS Collected Poultry Products Using Two Enrichment Methods Mustafa Simmons, USDA-FSIS, Washington, D.C., USA 02:00 PM T07-03 – A Targeted Amplicon Sequencing Assay for Rapid and Accurate Genotyping of <i>Cronobacter</i> Strains from Food and Environmental Samples Jose R Guzman, FDA-HFP, College Park, MD, USA 02:15 PM T07-04 – Evaluation and Validation of Methods for the Detection of <i>Cronobacter</i> in Environmental Samples Xiaohong Deng, FDA/Human Food Program, College Park, MD, USA 02:30 PM T07-05 – Development of an Enzyme Pretreatment That Enhances Environmental Sampling When Biofilms are Present Augustine Dinovo, Guild Associates Inc., Charleston, SC, USA
01:30 PM	RT21 – Dry Clean Only: Establishing Dry Sanitation Solutions for Low-Moisture, Ready-to-Eat Foods Room 225-227 Organizers: Christina Allingham, Shihyu Chuang Moderator: Christina Allingham Food Hygiene and Sanitation PDG Low-Water Activity Foods PDG David Buckley, Diversey, Inc., Charlotte, NC, USA Shihyu Chuang, University of Massachusetts Amherst, Amherst, MA, USA Daniel Culpepper, Commercial Food Sanitation, Harahan, LA, USA Deb Smith, Vikan, Darsham, Suffolk, UK Abigail B. Snyder, Cornell University, Ithaca, NY, USA Benjamin Warren, U.S. FDA-CFSAN, Office of Food Safety, Woodbury, MN, USA		

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02:45 PM **T07-06** – Silencing the Grain: Employing Targeted Capture to Uncover Trace Arthropod Contamination in Cereal Backgrounds
Monica Pava-Ripoll, U.S. FDA, Human Foods Program, College Park, MD, USA

01:30 PM T08 – Pre-Harvest Food Safety
Room 220
Convenors: Layal Karam, Emily Moyer

01:30 PM **T08-01** – Environmental Drivers of Soil Microbiome and Shiga Toxin-Producing *Escherichia coli* Presence in a California Central Coast Fresh Produce Field
Susan Leonard, U.S. FDA, Laurel, MD, USA

01:45 PM **T08-02** – Cantaloupe Fruit Colonization via the Blossom Route Exhibits a Dose-Response Pattern at Very Low Levels of Initial Challenge
Kellie Burris, U.S. FDA, Raleigh, NC, USA

02:00 PM **T08-03** – Soilless Substrate Type Impacts Tulane Virus Persistence and Localization During Recirculating Deep-Water Culture Hydroponic Cultivation of Leaf Lettuce
Gayatri Rajashankar Dhulappanavar, University of Arkansas, Fayetteville, AR, USA

02:15 PM **T08-04** – Ozone Nanobubble Treatment of Preharvest Agricultural Water as an Alternative Mitigation Strategy Under the FDA Produce Safety Rule
Alex Athey, En Solucion, Austin, TX, USA

02:30 PM **T08-05** – Influence of Mustard Green Cover Crop Cultivars on *Salmonella enterica* Survival in Agricultural Soil
Mmaduabuchi Okeh, University of Georgia, Athens, GA, USA

02:45 PM **T08-06** – Evaluation of UV-C Light, Pecan Shell Extract, and Thermal Treatments for Pathogen Control in Hydroponic Systems
Ivannova Lituma, Louisiana State University, Baton Rouge, LA, USA

03:45 PM S34 – Life of an Outbreak: From the First Illness to the Courthouse (Part 2)
Great Hall AD
Organizers: Laura Gieraltowski, Shawn Stevens
Convenor: Michael Batz
Committee on Control of Foodborne Illness
Food Law PDG

03:45 PM How Does a Retailer Address Outbreaks?
Sean Wolfley, Costco Wholesale, Issaquah, WA, USA

04:15 PM How Does a Food Producer Address Outbreaks?
Kelly Stevens, General Mills, Minneapolis, MN, USA

04:45 PM Legal Consequences of an Outbreak
Shawn Stevens, Food Industry Counsel LLC, Random Lake, WI, USA

03:45 PM S41 – The Genomics for Food and Feed Safety (Gen-FS) Interagency Collaboration: Recent Advances in Genomics Methods and Data Standards
Great Hall BC
Organizers: Heather Carleton, Ruth Timme
Convenor: Samantha E. Wirth
Advanced Molecular Analytics PDG
Applied Laboratory Methods PDG

03:45 PM Beyond Whole Genome Sequencing: Innovating Public Health Surveillance Systems Using Metagenomics
Heather Carleton, U.S. CDC, Atlanta, GA, USA

04:15 PM Long Reads, Big Impact: Harnessing Long-Read Sequencing for Enhanced Pathogen Surveillance and Food Safety Applications
Jessica Chen, U.S. CDC, Atlanta, GA, USA

04:45 PM Standardizing Metadata for Machine Readability: Improving Nearly 1 Million Gen-FS Records Across Clinical, Food, and Environmental Samples
Ruth Timme, U.S. FDA, Oakland, CA, USA

03:45 PM S42 – Overcoming Challenges of Water Use and Reuse in Food Processing Requires a Holistic Approach
Room 228-230

Organizer: Leon Gorris
Convenors: Leon Gorris, Dima Faour-Klingbeil

Water Safety and Quality PDG
Modeling and Risk Analysis PDG
International Commission on Microbiological Specifications for Foods (ICMSF)

03:45 PM Successful Design and Operationalization of Water Reuse in the beverage Industry
Theresa Mazure, PepsiCo, Bradenton, FL, USA

04:15 PM Implementation of Water Reuse Scenarios in a Global Meat Processing Operation
Anett Winkler, Cargill, Duesseldorf, Germany

04:45 PM Reframing Water Reuse: Fit for Purpose Applications
Bruno Pigott, WaterReuse Association, Alexandria, VA, USA

03:45 PM S43 – Beyond the Algorithm: How Food Safety Systems and Culture Adapt in the Age of AI
Room 203-205

Organizers: Jennifer Turpin, Lily Yang
Convenors: Aaron Pleitner, Deepa Thiagarajan

Food Safety Culture PDG
HACCP Utilization and Food Safety Systems PDG

03:45 PM Building a Food Safety Culture That Adapts to AI
Sean Leighton, Cargill, Wayzata, MN, USA
Suzy Sawyer, Cargill, Wayzata, MN, USA

04:15 PM AI Tools and Dashboards in Practice: Food Safety Culture Aligned with Human-First Responsibility
Deepa Thiagarajan, Independent Consultant, Food Safety & Regulatory Compliance Services, East Lansing, MI, USA

04:45 PM Governance and Oversight of Predictive Analytics, AI Tools in Food Safety Assurance and Systems
Giannis Stoitsis, SGS FoodNexus, Athens, Greece

03:45 PM S44 – Produce Wash Water: Multi-Company Validation of Critical Parameters
Room 207

Organizer: Jennifer McEntire
Convenor: Chris Valadez

Fruit and Vegetable Safety and Quality PDG
Grower-Shipper Association of Central California

03:45 PM The Role of Wash Water in the Produce Safety Continuum
Natalie Krout Greenberg, California Department of Food and Agriculture, Sacramento, CA, USA

04:15 PM Analysis of Commercial Produce Wash Systems
Bin Zhou, FQI, USDA ARS, Beltsville, MD, USA

04:45 PM Collaborating to Improve Wash Water Control
German Rios, Fresh Express, Salinas, CA, USA

03:45 PM S45 – Natural Mold Inhibition in Baked Goods: Fermentate Solutions for Sustainability and Waste Reduction
Room 208

Organizers: Arshpreet Kaur Khattri, Shalini Sehgal
Convenor: Shalini Sehgal

Low-Water Activity Foods PDG
Retail and Foodservice PDG

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03:45 PM Understanding Mold Risks in Shelf-Stable Bakery Products: Pathogens, Spoilage, and Shelf-Life Challenges
Samet Ozturk, USDA, Wyndmoor, PA, USA

04:15 PM Applications of Fermentates in Clean-Label Bakery Systems
Shalini Sehgal, University of Delhi, New Delhi, Delhi, India

04:45 PM Natural Mold Inhibition - Its relation to Food Waste Reduction and Sustainability
Surabhi Wason, Kerry, Beloit, WI, USA

03:45 PM RT23 – Exploring Tomorrow's Food, Today, Under High Pressure: Latest Advances and Challenges

Room 225-227

Organizers: Mary-Grace Danao, Alvin Lee

Moderator: Ann Vegdahl

Beverages and Acid/Acidified Foods PDG

Meat and Poultry Safety and Quality PDG

The Cold Pressure Council

Christian Calix, Universal Pure, Lincoln, NE, USA

Erdogan Ceylan, Merieux NutriSciences, Chicago, IL, USA

Alvin Lee, Institute for Food Safety and Health, Bedford Park, IL, USA

Justin Segel, American Pasteurization Co., Milwaukee, WI, USA

Carole Tonello, Hiperbaric, Burgos, Spain

03:45 PM RT24 – Theory to Practice: Applying Food Safety Culture Research to Dynamic and Diverse Food Businesses

Room 210

Organizers: Shauna Henley, Amanda Kinchla

Moderator: Autumn Stoll

Food Safety Culture PDG

Food Safety Education PDG

Christina Allingham, Bigelow Tea, Fairfield, CT, USA

Tia Glave, Catalyst Food Leaders, Baltimore, MD, USA

Kenisha Gordon, Tuskegee University, Tuskegee, AL, USA

Armitra Jackson-Davis, Alabama A&M University, Huntsville, AL, USA

Lone Jespersen, Cultivate SA, Hauterive, Switzerland

Lauryn Strong, Alabama A&M University, Snellville, GA, USA

03:45 PM T06 – Low-Water Activity Foods, Data Management and Analytics, and Epidemiology

Room 209

Convenors: Nadia Narine, Evan Rosen

03:45 PM T06-07 – Adjacent Land-Use Generally Not Associated with Non-0157 Shiga Toxin-Producing *Escherichia coli* in Surface Water and Sediment from California Central Coast Agricultural Region
Xiaohong Wei, University of California Davis, Davis, CA, USA

04:00 PM T06-08 – Retrospective Nearest Neighbor Case-Control Study to Attribute Sporadic Campylobacteriosis in the United States to Specific Food and Non-Food Sources
Daniel Weller, University of Rochester Medical Center and Virginia Tech, Atlanta, GA, USA

04:15 PM T06-09 – A Novel Pathogen Commodity Pair: Investigation of a Multistate Outbreak of Shiga Toxin-Producing *Escherichia coli* O121
Margaret Kirchner, FDA CORE, College Park, MD, USA

04:30 PM T06-10 – Recent Surveillance and Burden Trends Related to *Salmonella* and Poultry in Canada
M. Kate Thomas, Public Health Agency of Canada, Guelph, Ontario, Canada

04:45 PM T06-11 – Including Seafood Exposures Improves Diagnostic Performance of Vibriosis Culture-Independent Diagnostic Tests
Marisa Hast, CDC, Atlanta, GA, USA

05:00 PM T06-12 – Foodborne Cryptosporidiosis – A Literature Review on Suspected Food Vehicles and Influencing Factors
Petra Lubert, Federal Office of Consumer Protection and Food Safety (BVL), Berlin, Germany

03:45 PM T07 – Laboratory and Detection Methods

Room 221

Convenors: Terry Arthur, Alexandra Calle

03:45 PM T07-07 – Quantifying *Salmonella* Typhimurium in Mixed Cultures Using Hyperspectral Microscopy and Deep Learning with Synthetic Data
Meili Papa, Michigan State University, East Lansing, MI, USA

04:00 PM T07-08 – Optimizing Pathogen Surveillance: Performance Evaluation of a Targeted *Salmonella* spp. Quantification Method in Poultry Processing
Maria Jose Navarrete, Universidad Catolica de Chile, Santiago, Chile

04:15 PM T07-09 – Quantitative Extraction and Detection of *Salmonella* from Pre-Harvest and Post-Harvest Poultry Samples
Anastasia Sevostyanova, Ancera, Inc., Branford, CT, USA

04:30 PM T07-10 – Impedance Spectroscopy-Based Biosensor for Rapid and Quantitative Detection of *Salmonella* in Turkey Products
Mohammed Almalysha, Dept. of Electrical Engineering and Computer Science, University of Missouri, Columbia, MO, USA

04:45 PM T07-11 – FT-IR Spectroscopy in *Bacillus cereus* Outbreak Research as a Cost-Effective Screening Tool
Bram Jacobs, Ghent University, Faculty of Bioscience Engineering, Dept. of Food Technology, Safety and Health, Ghent, Belgium

05:00 PM T07-12 – Comparative Analysis of Wet and Dry Inocula on the Survival of *Salmonella* Tennessee on Fresh-Cut 'Gala' Apples and Green Bell Peppers Post Freeze-Dry Processing
Chrissy Walsky, Virginia Tech, Blacksburg, VA, USA

03:45 PM T08 – Pre-Harvest Food Safety

Room 220

Convenors: Layal Karam, Emily Moyer

03:45 PM T08-07 – Survival of *E. coli* TVS353 in Soil Mesocosms at Various Moisture Levels in a Controlled Diurnal Temperature Environment
Harsimran Kaur Kapoor, University of Georgia, Athens, GA, USA

04:00 PM T08-08 – Eugenol Inactivation of Multidrug-Resistant *Salmonella* *Infantis* and *Salmonella* Schwarzengrund for Multiserotype Bacterin Development
Amritha Ajayan, University of Minnesota, St. Paul, MN, USA

04:15 PM T08-09 – Environmental Diversity of *Salmonella* Newport in the U.S. Atlantic Region
Christina M. Ferreira, U.S. FDA, College Park, MD, USA

04:30 PM T08-10 – Effect of Environmental Conditions and Soil Amendments on *E. coli* and Total Coliforms Persistence and Transfer in Bell Pepper Fields
Daniel Leiva, Louisiana State University, Baton Rouge, LA, USA

04:45 PM T08-11 – System Model for Sweet Onion Production Fields in Southeastern United States
Harsimran Kaur Kapoor, University of Georgia, Athens, GA, USA

05:00 PM T08-12 – Survival of Pathogen Surrogate *Escherichia coli* on Romaine Lettuce Following Application of Contaminated Water in Arizona
Alyssa Rosenbaum, University of Arizona, Maricopa, AZ, USA

WEDNESDAY, JULY 29

ALL DAY

8:30 a.m. – 3:00 p.m.

Exhibit Hall

Poster Session 3 – Animal and Pet Food Safety, Communications, Outreach and Education, Dairy, Data Management, Food Law and Regulation, Food Processing Technologies, Food Safety Systems, Low-Water Activity, Microbial Food Spoilage, Food Packaging, Retail and Food Service Safety, Sanitation and Hygiene, and Seafood

P3-001 through P3-102 – Authors present 10:00 a.m. – 11:00 a.m. and 12:00 p.m. – 1:00 p.m.

P3-103 through P3-213 – Authors present 11:00 a.m. – 1:00 p.m.

MORNING

8:30 a.m. – 10:00 a.m.

Room 228–230

S46 Environmental Monitoring and Zone 1 Swabs: Hard Lessons from the Turkey Bacon Recall

Room 203–205

S47 Advancing AI in Food Safety Through Student Competition on Benchmark Datasets

Room 225–227

S48 PFAS in Food and Water: Regulation, Occurrence and Mitigation

Room 210

S49 Alive or Dead? Incorporation of Pathogen Viability Assessment into 'Omics Food Safety Research

Room 207

S50 Allergen Method Validation and Verification: Guidelines and Real-World Experiences

Room 208

S51 Breaking Barriers: Enhancing Food Safety Culture Through Inclusive Communication

Great Hall BC

RT25 Revisiting the FDA Food Code Definition of Time/Temperature Control for Safety (TCS) Foods *sponsored by* 

Room 217–219

RT26 Emerging, Reemerging and REP Pathogens: Food Safety Challenges

Room 209

T9 Technical Session 9 – Modeling and Risk Assessment

Room 221

T10 Technical Session 10 – Food Safety Systems and Food Processing Technologies

Room 220

T11 Technical Session 11 – Meat, Poultry, and Eggs

10:00 a.m. – 10:45 a.m.

Break – Refreshments available in the Poster Session Area

10:45 a.m. – 12:15 p.m.

Room 228–230

S52 One Pathogen, Many Landscapes: *Salmonella* Dynamics in the Americas

Room 203–205

S53 Can Microbial Quantitation Catch Up with Detection Methods? Recent Advances

Room 225–227

S54 The Dollars and Sense of Food Safety: Econometrics of Food Safety Interventions

Room 210

S55 Beyond the Kill Step: Managing Risks of Toxin-Producing Microorganisms in High-Moisture In-Process Foods

Room 207

S56 Best Practices for Managing Allergens and Gluten in Retail and Food Service Environments

Great Hall BC

RT27 We Don't Need No Stinkin' Culture: We Need a New Gold Standard for Confirmations!

Room 217–219

RT28 Keep It Simple: Building Achievable Pathways to Improve Food Safety

Room 209

T9 Technical Session 9 – Modeling and Risk Assessment

Room 221

T10 Technical Session 10 – Food Safety Systems and Food Processing Technologies

Room 220

T11 Technical Session 11 – Meat, Poultry, and Eggs

Room 208

T12 Dairy and Communication, Outreach and Education

11:45 a.m. – 1:30 p.m.

Lunch available in Hall C

AFTERNOON

12:30 p.m. – 1:30 p.m.

Great Hall BC

S57

Allergen Labeling and Risk Management Updates from FDA

Room 228–230

S58

Using Metagenomics to Solve Real-World Food Safety and Quality Challenges

Room 203–205

S59

Data-Driven Insights in Fresh Produce Safety – Putting Learnings Into Actions *sponsored by* 

Room 225–227

S60

When Cleaning Tools Become Inoculators: A Food Safety Blind Spot

Room 210

S61

Digital Innovations for Produce Safety: Enhancing FSMA-PSR Compliance Abroad to Protect Consumers *sponsored by* 

Room 207

S62

Food Safety Management in Fermented Food Production

Room 208

S63

Bubbly, Brewed, and Plant-Based: Microbial Food Safety and Spoilage Considerations for Alternative Beverages

Room 209

S64

De-Bugging Pet Food Safety: Tackling Risks in Insect Proteins and Novel Ingredients

Room 217–219

RT29

Asset Lifecycle Management in Food Manufacturing: Engineering Principles for Equipment and Facility Longevity

Room 221

T13

Technical Session 13 – Food Chemical Hazards, General Microbiology, Food Allergens, Beverages and Acid/Acidifies Foods, Food Fraud Prevention, and Food Law and Regulation

Room 220

T14

Technical Session 14 – Packaging, Water, and Viruses and Parasites

3:30 p.m. – 4:00 p.m.

Refreshments available in Great Hall Pre-Function

4:00 p.m. – 4:45 p.m.

Great Hall BC

JOHN H. SILLIKER LECTURE – *From Fundamentals to Frontiers: A Consultant's Guide to Tackling Food Safety Risks*

Ruth Petran

Principal & Founder, Ruth Petran Consulting, LLC

Senior Advisor, The Acheson Group

Minneapolis, Minnesota

EVENING EVENTS

6:00 p.m. – 7:00 p.m.

Great Hall AD

Awards Banquet Reception

7:00 p.m. – 10:00 p.m.

Great Hall AD

Awards Banquet

IAFP 2026 PROGRAM

WEDNESDAY, JULY 29

MORNING

Posters will be on display 8:30 a.m. – 6:15 p.m. (see details beginning on page 60)

08:30 AM S46 – Environmental Monitoring and Zone 1 Swabs: Hard Lessons from the Turkey Bacon Recall

Room 228-230

Organizer: Campbell Mitchell

Convenor: Campbell Mitchell

Food Hygiene and Sanitation PDG

Meat and Poultry Safety and Quality PDG

Kraft-Heinz

08:30 AM Food Hygiene and Sanitation
Ruth Petran, Ruth Petran Consulting, LLC, Eagan, MN, USA

09:00 AM Meat and Poultry Safety and Quality
Emilio Esteban, Mérieux NutriSciences, Chicago, IL, USA

09:30 AM The Impact of Environmental Monitoring
Jack van der Sanden, bioMérieux Pty. Ltd., Geraldine, New Zealand

08:30 AM S47 – Advancing AI in Food Safety Through Student Competition on Benchmark Datasets

Room 203-205

Organizers: Chenhao Qian, Giannis Stoitsis

Convenor: Jiyeon Yi

Data Management and Analytics PDG

Student PDG

AI4Food, AI Institute for Next Generation Food Systems (AIFS)

08:30 AM Food Safety Border Rejection Forecasting: A Strict-Cutoff Multi-Horizon Study
Alexia Joana Lopez Gachuzo, McGill University, Montreal, Quebec, Canada

09:00 AM Predicting Environmental *Listeria* Presence and Concentration Using Interpretable Machine Learning
Jaber Ghorbani, University of Nebraska Lincoln, Lincoln, NE, USA

09:30 AM Development of a Decision Support Tool for Farmers to Identify *Listeria* Risk in Soil
YeonJin Jung, Cornell University, Ithaca, NY, USA

08:30 AM S48 – PFAS in Food and Water: Regulation, Occurrence and Mitigation

Room 225-227

Organizers: Xueting Fan, Changqing Wu

Convenors: Xueting Fan, Juzhong Tan

Food Chemical Hazards and Food Allergy PDG

Food Packaging PDG

08:30 AM PFAS Analysis in the FDA's Human Foods Program: Research, Regulatory, and Monitoring Applications
Lowri DeJager, U.S. FDA, College Park, MD, USA

09:00 AM Invisible Contaminants: PFAS in What We Eat, Drink, and Breathe
Emanuele Sozzi, RTI International, Durham, NC, USA

09:30 AM PFAS Removal by Advanced Zeolite Adsorbents
Dongxia Liu, University of Delaware, Newark, DE, USA

08:30 AM S49 – Alive or Dead? Incorporation of Pathogen Viability Assessment into 'Omics Food Safety Research

Room 210

Organizer: Joelle Salazar

Convenor: Joelle Salazar

Advanced Molecular Analytics PDG

Applied Laboratory Methods PDG

08:30 AM Viable Microbiome Mapping for Meat Processing
Steven Ricke, University of Wisconsin- Meat Science & Animal Biologics Discovery Bldg., Madison, WI, USA

09:00 AM Detection of Viable *Escherichia coli* after Chlorine Exposure in Agricultural Water Using Viability PCR
Zirui Ray Xiong, University of Delaware, Newark, DE, USA

09:30 AM Metagenomics Viability Sequencing to Understand the Powdered Infant Formula (PIF) Microbiome and *Cronobacter sakazakii*-PIF Biofilms
Megan Fay, FDA, Wheaton, IL, USA

08:30 AM S50 – Allergen Method Validation and Verification: Guidelines and Real-World Experiences

Room 207

Organizers: Jodi Nickerson, Melanie Downs

Convenor: Jodi Nickerson

Food Chemical Hazards and Food Allergy PDG

Applied Laboratory Methods PDG

08:30 AM Evaluation of Multiple ELISA Kits for Quantification of Peanut in Chocolate Matrices
Mario Gadanho, Mars, Aimagues, France

09:00 AM Application of AOAC Method Validation Guidance for Immunoassay Test Kits
Markus Lacorn, R-Biopharm, Darmstadt, Germany

09:30 AM AOAC End-User Guidance on Method Selection and Verification: Opportunities and Challenges for Laboratories
Melanie Downs, University of Nebraska Lincoln, Lincoln, NE, USA

08:30 AM S51 – Breaking Barriers: Enhancing Food Safety Culture Through Inclusive Communication

Room 208

Organizers: Obabiyi Ajao, Lone Jespersen

Convenor: Lone Jespersen

Food Safety Culture PDG

08:30 AM Assessing and Mitigating Communication Challenges in Food Manufacturing to Strengthen Food Safety Culture: Current Research
Sophie Tongyu Wu, University Central Lancashire, Lancashire, UK

09:00 AM The Role of Language and Communication Barriers in Food Safety Risks: Exploration of Tools for Effective Communication
John Boyce, Boyce Food Safety Consulting Ltd., Vancouver, British Columbia, Canada

09:30 AM Engaging and Navigating Communication Obstacles: The Puris' Journey
Jeremy Langford, Puris Proteins LLC, Appleton, MN, USA

08:30 AM RT25 – Revisiting the FDA Food Code Definition of Time/Temperature Control for Safety (TCS) Foods

Great Hall BC

Organizers: Glenda Lewis, Tong-Jen Fu

Moderator: Courtney Mickiewicz

Retail and Foodservice PDG

Glenda Lewis, U.S. FDA/HFP/Office of Integrated Food Safety Systems and Partnerships/Office of Retail Food Protection, College Park, MD, USA
Deon Mahoney, University of Queensland, Collingwood, Australia
Liz Reilley, Jonathan Sprouts, Inc, Rochester, MA, USA
Donald Schaffner, Rutgers University, New Brunswick, NJ, USA
Brian Schaneberg, Illinois Tech Institute for Food Safety and Health, Bedford Park, IL, USA
Mary Yavelak, Compass Group USA, Lowell, NC, USA

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08:30 AM RT26 – Emerging, Reemerging and REP Pathogens: Food Safety Challenges Room 217-219

Organizers: Alvin Lee, Purnendu Vasavada

Moderator: Alvin Lee

International Food Protection Issues PDG

Eric Brown, U.S. FDA-Human Foods Program, College Park, MD, USA
Heather Carleton, Heather Carleton, U.S. CDC, Atlanta, GA, USA
Melanie Firestone, University of Minnesota School of Public Health, Minneapolis, MN, USA

Megin Nichols, U.S. CDC, Atlanta, GA, USA

Annette Sansom, Campden BRI Group, Gloucestershire, UK

Purnendu Vasavada, University of Wisconsin River Falls / PCV@Associates, LLC, River Falls, WI, USA

Anett Winkler, Cargill, Duesseldorf, Germany

08:30 AM T09 – Modeling and Risk Assessment Room 209

Convenors: Nadia Narine, Evan Rosen

08:30 AM T09-01 – A Fluid-Milk Spoilage Model Interface Incorporating Real-Time Temperature Data for Precise Shelf-Life Predictions

Leonie Kemmerling, Cornell University, Dept. of Food Science, Ithaca, NY, USA

08:45 AM T09-02 – A Dynamic Predictive Model for *Bacillus cereus* Growth from Spores in Tryptic Soy Broth Under Temperature-Abuse Conditions

Juan Gao, University of Georgia, Athens, GA, USA

09:00 AM T09-03 – A Quantitative Risk Assessment of Shiga Toxin-Producing *E. coli* (STEC) in Organic Fresh Produce Associated with Compost of Animal Origin

Maria Luisa Klobongona, University of California Davis, Davis, CA, USA

09:15 AM T09-04 – Characterizing Sampling Plans for Irrigation Water with Regards to Their Statistical Power and Impact on Leafy Greens Recall Risk Due to Shiga Toxin-Producing *E. coli*

Sriya Sunil, Cornell University, Ithaca, NY, USA

09:30 AM T09-05 – Developing a Data-Driven Risk Model to Prioritize Produce Activities: Methodological Approach and Case-Study Examples

Yuhuan Chen, U.S. FDA Human Foods Program, College Park, MD, USA

09:45 AM T09-06 – Developing an Integrated Framework for Pre-Harvest *Salmonella* Risk Reduction and Mitigation Assessment in U.S. Beef Systems

Dan Taylor, EpiX Analytics, Fort Collins, CO, USA

08:30 AM T10 – Food Safety Systems and Food Processing Technologies Room 221

Convenors: Steve Gendel, Veerachandra Yemmireddy

08:30 AM T10-01 – Energy-Efficient Dielectric Barrier Discharge Plasma-Activated Water for *Salmonella* Inactivation in Aqueous Systems and on Fresh Produce

Tejaswi Boyapati, South Dakota State University, Brookings, SD, USA

08:45 AM T10-02 – Rapid On-Site Detection of *Salmonella* in Turkey Products Using a Portable Fiber-Optic SERS Platform

Kamran Bashir Taas, University of Missouri Columbia, Columbia, MO, USA

09:00 AM T10-03 – Where, What, and How We Develop Digital Tools for Foodborne Pathogen Modeling: A Scoping Review

Linda Kalunga, Cornell University, Ithaca, NY, USA

09:15 AM T10-04 – Validation of *Enterococcus faecium* as a Surrogate for *Salmonella enterica*, *Escherichia coli* O157:H7, and *Listeria monocytogenes* During Steam Treatment of In-Shell Pecans

Dikshya Shilpakar, Louisiana State University, Baton Rouge, LA, USA

09:30 AM T10-05 – A Platform for High-Mass-Transfer Ozone Nanobubble Dosing with Minimal Off-Gassing: Performance Across Bench, Pilot, and Industrial Food Processing Applications

Alex Athey, Zerloc, Austin, TX, USA

09:45 AM T10-06 – AI-Driven Robotic Visual Inspection and Inline Smart Sensing for Real-Time Food Safety Control in Automated Processing Lines

Claudio Gallottini, ITA Corporation, Miami, FL, USA

08:30 AM T11 – Meat, Poultry, and Eggs Room 220

Convenors: Terry Arthur, Amit Morey

08:30 AM T11-01 – Process Validation: Can Fermentation to Reduce pH and HPP Enhance Pathogen Inactivation During Air Drying of Droëwors

Sampathkumar Balamurugan, AAFC - Agriculture and Agri-Food Canada, Guelph, Ontario, Canada

08:45 AM T11-02 – Validation of a New Method for Enumeration of *Campylobacter* spp. in Poultry: Outcomes from a National Ring Trial

Aswathi Soni, New Zealand Food Safety, Ministry for Primary Industries, Wellington, New Zealand

09:00 AM T11-03 – Comparative Evaluation of Illumina, Oxford Nanopore, and PacBio Sequencing Platforms for Metagenomic Recovery and Phylogenetic Analysis of STEC O157:H7 from Bacterial Enrichments

Maria Hoffmann, U.S. FDA, College Park, MD, USA

09:15 AM T11-04 – Peracetic Acid Induces VBNC *Salmonella* Typhimurium in Produce Wash Water

Mairui Gao, University of Maryland, College Park, MD, USA

09:30 AM T11-05 – Development of a Phage Cocktail for Controlling *Salmonella* in Poultry

Hany Anany, University of Guelph, Ontario, Canada

09:45 AM T11-06 – *Salmonella* Serovar Infantis REPJFX01 Geographic Source Attribution Through Core SNP and Phylogeographic Analyses

Anna Schumann, Cornell University, Ithaca, NY, USA

10:45 AM S52 – One Pathogen, Many Landscapes: *Salmonella* Dynamics in the Americas Room 228-230

Organizers: Byron Chaves, Angélica Godínez Oviedo

Convenors: Byron Chaves, Angélica Godínez Oviedo

Advanced Molecular Analytics PDG

Data Management and Analytics PDG

10:45 AM *Salmonella* Infantis in Chile: Genomics, AMR, and Risk Mitigation

Andrea Moreno Switt, Catholic University of Chile, Santiago, Chile

11:15 AM Genomic Diversity and Distribution of *Salmonella* in the United States

Rachel Cheng, Virginia Tech, Blacksburg, VA, USA

11:45 AM *Salmonella* in Meat and Non-Meat Sources in Mexico: Genomics and Distribution

Montserrat Hernández Iturría, Universidad Autónoma de Querétaro, Querétaro, Querétaro, México

10:45 AM S53 – Can Microbial Quantitation Catch Up with Detection Methods? Recent Advances Room 203-205

Organizers: David Legan, Laurie Post

Convenor: Amanda Brookhouser-Sisney

Applied Laboratory Methods PDG

Dairy Quality and Safety PDG

10:45 AM Fast, Accurate or Both? The Future of Rapid Quantitation and Why We Can Trust the Methods

Suzanne Jordan, Campden BRI, Chipping Campden, UK

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11:15 AM Rapid Enumeration and Viability Assessment with Flow Cytometry and Digital PCR
Andrzej Benkowski, Eurofins Microbiology Laboratories, Madison, WI, USA

11:45 AM Can Microbial Quantitation Catch Up with Detection Methods? Recent Advances
Daniel Smieszek, Nestle, Dublin, OH, USA

10:45 AM S54 – The Dollars and Sense of Food Safety: Econometrics of Food Safety Interventions

Room 225-227

Organizer: Jeffrey LeJeune

Convenor: Amyaz Moledina

FAO

10:45 AM Consumers' Willingness to Pay for Food Safety
Amyaz Moledina, The College of Wooster, Wooster, OH, USA

11:15 AM Producers' Willingness to Act for Food Safety
Diletta Topazio, FAO, Rome, Italy

11:45 AM Economic Benefit of Whole Genome Sequencing
Marc Allard, FDA, College Park, MD, USA

10:45 AM S55 – Beyond the Kill Step: Managing Risks of Toxin-Producing Microorganisms in High-Moisture In-Process Foods

Room 210

Organizer: Balasubrahmanyam (Bala) Kottapalli

Convenor: Yvonne Masters

HACCP Utilization and Food Safety Systems PDG

Modeling and Risk Analysis PDG

10:45 AM Managing Food Safety Risks in High-Moisture Slurries: From Regulation to Practical Controls
Balasubrahmanyam (Bala) Kottapalli, The Marzetti Company, Columbus, OH, USA

11:15 AM Toxins in the Bakery Products?: Managing Biological Risks Beyond Pathogens in the Flour
Aaron Uesugi, Mondelez International, Columbia, MD, USA

11:45 AM Hidden Moisture, Hidden Risk: Microbial Hazards of In-Process Slurries in Low-Moisture Foods
Yvonne Masters, John B. Sanfilippo & Son, Inc., Chicago, IL, USA

10:45 AM S56 – Best Practices for Managing Allergens and Gluten in Retail and Food Service Environments

Room 207

Organizers: Lauren Jackson, Xingyi Jiang

Convenors: Lauren Jackson, Xingyi Jiang

Retail and Foodservice PDG

Food Chemical Hazards and Food Allergy PDG

10:45 AM The Role of the FDA Food Code in Protecting Consumers with Food Allergies
Laurie Williams, U.S. FDA, College Park, MD, USA

11:15 AM Best Practices for Managing Ingredients Used in Food Preparation
Xingyi Jiang, U.S. FDA, Bedford Park, IL, USA

11:45 AM A Consumer Perspective on Best Practices for Preventing Accidental Exposure to Allergens and Gluten From Foods Served in Retail and Food Service Establishments
Betsy Craig, CFF by MenuTrinco, LLC, Columbia, MD, USA

10:45 AM RT27 – We Don't Need No Stinkin' Culture: We Need a New Gold Standard for Confirmations!

Great Hall BC

Organizers: Nisha Corrigan, Erin Crowley

Moderators: Christopher Crowe, Julie Weller

Applied Laboratory Methods PDG

Advanced Molecular Analytics PDG

Laura Bleichner, Gold Standard Diagnostics, Freiburg, Baden-Wuerttemberg, Germany

Catharine Carlin, IEH Laboratories and Consulting Group, Forest Park, WA, USA

Jerome Combrisson, MARS, Aimargues, France

Joelle Salazar, U.S. FDA, Bedford Park, IL, USA

Danielle Sohler, Hygiene, Camarillo, CA, USA

Shawn Stevens, Food Industry Counsel, LLC, Random Lake, WI, USA

10:45 AM RT28 – Keep It Simple: Building Achievable Pathways to Improve Food Safety

Room 217-219

Organizers: Ariel Garsow, Markus Lipp

Moderators: Dima Faour-Klingbeil, Jeffrey LeJeune

International Food Protection Issues PDG

Food Safety Culture PDG

Diversity, Equity, and Inclusion Council

Caroline DeWaal, Center for Strategic and International Studies, Silver Spring, MD, USA

Tia Glave, Catalyst Food Leaders, Baltimore, MD, USA

Deon Mahoney, University of Queensland, Collingwood, Australia

Rose Omari, CSIR-STEPRI, Accra, Ghana

Matthew Stasiewicz, University of Illinois, Urbana, IL, USA

Constanza Vergara Escobar, Undersecretariat of International Economic Relations, Santiago, Chile

10:45 AM T09 – Modeling and Risk Assessment

Room 209

Convenors: Nadia Narine, Evan Rosen

10:45 AM T09-07 – Modeling the Impact of Mechanical Damage on Risk of a Product Positive Test for *Escherichia coli* O157:H7 in Chopped Romaine Lettuce
Hilal Samut, Cornell University, Ithaca, NY, USA

11:00 AM T09-08 – Norovirus Infection Risks Associated with Consumption of Contaminated Tomatoes – An Application of a Novel QMRA-SEIR Model
Juan Leon, Emory University, Atlanta, GA, USA

11:15 AM T09-09 – Risk of Microbial Hazard Exposure During Nutrient Film Technique (NFT) Hydroponic Leafy Green Production: A Model Study of *Listeria monocytogenes* Persistence in Root-Plugs and Nutrient Solutions
Mohammad Samiul Alam, HFP-FDA, Laurel, MD, USA

11:30 AM T09-10 – Stage Matters: Comparing *Campylobacter* Contamination Hotspots Across Two Broiler Processing Facilities Versus Predictive Models
Nivin A. Nasser, Auburn University, Auburn, AL, USA

11:45 AM T09-11 – Predictive Modeling of Chlorine Efficacy in Controlling *Listeria* During Apple Dump Tank Processing
Yuan Su, University of Tennessee, Knoxville, TN, USA

12:00 PM T09-12 – Effects of Heat, Cold, and Acid Stress on *Salmonella* Typhimurium Behaviors on Chicken Wings During Low Temperature Storage
Zhen Jia, Auburn University, Auburn, AL, USA

10:45 AM T10 – Food Safety Systems and Food Processing Technologies

Room 221

Convenors: Steve Gendel, Veerachandra Yemmireddy

10:45 AM T10-07 – Cold Plasma Disproportionately Affects Microbial Diversity and Community Composition in Raw Chicken
Katherine Sierra, Auburn University, Auburn, AL, USA

11:00 AM T10-08 – Defining Electrochemical Process-Structure Relationships for Scalable Manufacturing of Mechano-Bactericidal Stainless Steel
Yifan Cheng, Virginia Tech, Blacksburg, VA, USA

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11:15 AM	T10-09 – Evaluation of the Inactivation Capacity of Lactic Acid Against <i>E. coli</i> O157: H7 on Whole Unpeeled Yellow Onions Valeria Santillan Oleas , Colorado State University, Fort Collins, CO, USA	12:00 PM	T12-06 – Powdered Infant Formula Safety: Caregivers' Knowledge, Practices, and Risk Awareness Suyapa Fabiola Rojas Oropel , Purdue University, West Lafayette, IN, USA
11:30 AM	T10-10 – Inactivation of <i>Salmonella</i> on Frozen Raspberries, Strawberries, and Blueberries Using a Gas Phase Hydroxyl Radical Process Sonia Marotta , University of Guelph, Guelph, Ontario, Canada	01:30 PM	S57 – Allergen Labeling and Risk Management Updates from FDA <i>Great Hall BC</i> Organizer: Carol D'lima Convenor: Carol D'lima Food Chemical Hazards and Food Allergy PDG Food Law PDG
11:45 AM	T10-11 – Inactivation of Foodborne Microorganisms in Whole Milk Using a Double Helix UV-C System Jestin Bose , Tennessee State University, Nashville, TN, USA	01:30 PM	Food Allergen Thresholds - Current Science Stefano Luccioli, U.S. FDA-CFSAN, College Park, MD, USA
12:00 PM	T10-12 – Evaluating the Effects of Wall Materials on the Viability and Long-Term Storage Stability of <i>Bacillus</i> Coagulans Encapsulated by Ultrasonic Spray Freeze Drying Linhui Zhou , University of Delaware, Newark, DE, USA	02:00 PM	FDA Food Allergen Updates, Including FDA's Public Meeting on Food Allergen Thresholds and Potential Applications Yinqing Ma, U.S. FDA, College Park, MD, USA
10:45 AM	T11 – Meat, Poultry, and Eggs <i>Room 220</i> Convenors: Terry Arthur, Amit Morey	02:30 PM	Updates to Edition 5 of the Final Guidance for Industry: Questions and Answers Regarding Food Allergens, Including the Food Allergen Labeling Requirements of the Federal Food Drug and Cosmetic Act Carol D'lima, U.S. FDA, College Park, MD, USA
10:45 AM	T11-07 – Bio-Mapping and Sanitation Assessment of Foodborne Pathogens in a Small-Scale Poultry Processing Plant Eniola Betiku , University of Arkansas, Fayetteville, AR, USA	03:00 PM	Final Guidance on Evaluating the Public Health Importance of Food Allergens Other Than the Major Food Allergens Listed in the Federal Food Drug and Cosmetic Act and Case Studies Stefano Luccioli, U.S. FDA-CFSAN, College Park, MD, USA
11:00 AM	T11-08 – Mechanisms of <i>Salmonella</i> Survival and Cross-Contamination Dynamics During Various Stages of Poultry Processing Daniel Munther , Cleveland State University, Cleveland, OH, USA	01:30 PM	S58 – Using Metagenomics to Solve Real-World Food Safety and Quality Challenges <i>Room 228-230</i> Organizer: Samoa Asigau Convenor: Celina To Advanced Molecular Analytics PDG Meat and Poultry Safety and Quality PDG
11:15 AM	T11-09 – Evaluation of the Infectivity of Highly Pathogenic Avian Influenza (HPAI) Virus and Low Pathogenic Avian Influenza (LPAI) Virus from a Beef Slurry Ryan Arsenault , USDA ARS, College Station, TX, USA	01:30 PM	Harnessing High Throughput Sequencing for Analysis of Food Production- and Processing-Related Microbiomes Paul Cotter, Teagasc, Cork, Ireland
11:30 AM	T11-10 – <i>Listeria</i> spp. and <i>Listeria monocytogenes</i> Results from FSIS-Inspected Ready-to-Eat Products Isabel Walls , USDA-FSIS, Washington, D.C., USA	02:00 PM	The Future is Culture-Independent: Metagenomics in Action Vikrant Dutta, bioMérieux Inc., Hazelwood, MO, USA
11:45 AM	T11-11 – Starter Culture Effects on <i>Salmonella enterica</i> and Shiga-Toxigenic <i>Escherichia coli</i> Inactivation Kinetics During Salami Fermentation Boluwatife Ajayi , Texas A&M University, College Station, TX, USA	02:30 PM	Metagenomics Opportunities as a Higher Resolution Tool to Understand Microbial Dynamics in Food Products and Contribute to Food Safety and Quality Management Marcos Sanchez, Texas Tech University, Lubbock, TX, USA
12:00 PM	T11-12 – Controlling <i>Salmonella</i> and Improving Egg Safety Through Aerated Water-Based Egg Wash Treatments Kham Khatrri , University of Connecticut, Storrs, CT, USA	03:00 PM	Microbiomes Matter: Operationalizing Metagenomics in Real-Life Industry Applications Matthew Henderson, Land O' Frost, Lansing, IL, USA
10:45 AM	T12 – Dairy and Communication, Outreach and Education <i>Room 208</i> Convenors: Amanda Philyaw Perez, Brooke Whitney	01:30 PM	S59 – Data-Driven Insights in Fresh Produce Safety – Putting Learnings Into Actions <i>Room 203-205</i> Organizers: Kristin Butler, Samir Assar Convenors: Kristin Butler, Samir Assar Fruit and Vegetable Safety and Quality PDG
10:45 AM	T12-01 – Water as a Source and Transmission Pathway for Microbial Contamination at Dairy Farms Ngazi Manukaji , Cornell University, Ithaca, NY, USA	01:30 PM	Leveraging Outbreak Post Response Data for Produce Safety Prevention Kurt Nolte, U.S. FDA, Washington, D.C., USA
11:00 AM	T12-02 – Influence of Environmental Background Microflora on Biofilm Formation by <i>Listeria monocytogenes</i> on Dairy Floor Surfaces Vaishali Poswal , South Dakota State University, Brookings, SD, USA	02:00 PM	Insights from USDA's Audit Program Audrey Draper, USDA, Washington, D.C., USA
11:15 AM	T12-03 – Preserving Arkansas Partnership Supporting New and Established Cottage Food Producers in Food Preservation, Safety, and Regulatory Compliance Amanda Philyaw Perez , University of Arkansas, Little Rock, AR, USA	02:30 PM	What Has Industry Learned From Surveillance? Greg Komar, California Leafy Greens Marketing Agreement, Salinas, CA, USA
11:30 AM	T12-04 – Enhancing Food Safety and Regulatory Understanding for North Carolina's Local Food Industry Using a Multi-Tiered Training Framework Kathleen Nicholas , North Carolina State University, Raleigh, NC, USA	03:00 PM	Translating Science Into Prevention Laura Strawn, Virginia Tech, Blacksburg, VA, USA
11:45 AM	T12-05 – From Remote Audits to Robotic Inspection: A Longitudinal Case Study on the Evolution of Digital Tools in Food Safety Verification (2018–2026) Claudio Gallottini , ITA Corporation, Miami, FL, USA		

IAFP 2026 PROGRAM

01:30 PM S60 – When Cleaning Tools Become Inoculators: A Food Safety Blind Spot Room 225-227

Organizers: Vickie Lewandowski, Deb Smith

Convenor: Vickie Lewandowski

Food Hygiene and Sanitation PDG

01:30 PM Take the Blinders Off - A Look at the Consequences
Vickie Lewandowski, Independent, Chicago, IL, USA

02:00 PM Tool Selection for Cleaning and Cleanability
Deb Smith, Vikan, Darsham, Suffolk, UK

02:30 PM Cleaning the Cleaners: Preventing Microbial Transfer
Neil Bogart, Post Consumer Brands, Alabaster, AL, USA

03:00 PM Keep the Blinders Off - Program Maintenance
David Buckley, Diversey, Inc., Charlotte, NC, USA

01:30 PM S61 – Digital Innovations for Produce Safety: Enhancing FSMA-PSR Compliance Abroad to Protect Consumers Room 210

Organizer: Ana Cordero

Convenor: Ana Cordero

Food Safety Education PDG

Food Safety Culture PDG

Inter-American Institute for Cooperation on Agriculture (IICA)

01:30 PM The Importance of Using Digital Tools to Improve Understanding and Training on FSMA Regulations
Oscar Galagarza, U.S. FDA, College Park, MD, USA

02:00 PM Growing Safe Produce (GSP) Platform: A Digital Tool to Enhance Understanding of the Produce Safety Rule
Ana Cordero, Inter-American Institute for Cooperation on Agriculture, San Jose, Costa Rica

02:30 PM The Impact of the GSP Platform on Growers' Understanding of the PSR?
Clare Narrod, USDA, Washington, D.C., USA

03:00 PM GSP in Daily Use Across Latin America: Success Stories and Outreach Activities
Noemi Zuniga Thimeos, Inter-American Institute for Cooperation on Agriculture, Santiago, Chile

01:30 PM S62 – Food Safety Management in Fermented Food Production Room 207

Organizers: Kathleen Glass, Laurie Post

Convenor: Laurie Post

Plant-Based Alternative Products Quality and Food Safety PDG

Institute for the Advancement of Food and Nutrition Sciences

01:30 PM Fermented Foods as Complex Microbial Ecosystems: State-of-the-Art and Needs for Quality and Safety
Maria Marco, University of California Davis, Davis, CA, USA

02:00 PM Problems and Solutions: Fermented Vegetables
David Bean, Federation University Australia, Mount Helen, Victoria, Australia

02:30 PM Problems and Solutions: Dairy and Plant-Based Analogs
Samuel Alcaine, IDFA, Ithaca, NY, USA

03:00 PM Problems and Solutions: Fermented Meats
Sarah Griggs, Tyson Foods, Inc., Springdale, AR, USA

01:30 PM S63 – Bubbly, Brewed, and Plant-Based: Microbial Food Safety and Spoilage Considerations for Alternative Beverages Room 208

Organizer: Martha Kimber

Convenors: Martha Kimber, Sun Ferreira

Beverages and Acid/Acidified Foods PDG

Plant-Based Alternative Products Quality and Food Safety PDG

01:30 PM What's in Your Low and Non-Alcoholic Beer? Review, Risks and Recommendations
Ann Vegdahl, Cornell University, Geneva, NY, USA

02:00 PM Cold Brew Coffee: Identifying the Effects of Product Characteristics and Formulation on *Clostridium botulinum* Growth and Toxin Production
Catherine Felice (Rofe), U.S. FDA, Bedford Park, IL, USA

02:30 PM Improving Non-Alcoholic Beer Quality through Investigation of Production Methods, Flavor, and Safety
Andrew Maust, University of Arkansas, Fayetteville, AR, USA

03:00 PM Microbiological Safety Challenges in Alternative Protein Beverages
Florence Wu, AEMTEK, Inc., Fremont, CA, USA

01:30 PM S64 – De-Bugging Pet Food Safety: Tackling Risks in Insect Proteins and Novel Ingredients Room 209

Organizers: Beilei Ge, Aaron Pleitner

Convenors: Deepa Thiagarajan, Celina To

Animal and Pet Food Safety PDG

Plant-Based Alternative Products Quality and Food Safety PDG

01:30 PM Exploring the Future Landscape of New Food Sources and Production Systems – A Food Safety Perspective
Maura Di Martino, Food and Agriculture Organization of the United Nations (FAO), Rome, RM, Italy

02:00 PM Allergenic Peptides, Heavy Metals and Environmental Contaminants in Novel Ingredients: Risk Assessment and Mitigation Strategies
Aaron Hobbs, N.A. Coalition for Insect Agriculture, Washington, D.C., USA

02:30 PM Microbial Hazards in Novel Protein Supply Chains: Ensuring Safety from Substrate to Finished Pet Food
Lauren Howell, U.S. FDA, CVM Division of Animal Food Ingredients, Laurel, MD, USA

03:00 PM Traceability, Food Authenticity and Integrity Testing Strategies to Verify Ingredient Identity, Prevent Adulteration, and Ensure Consumer Confidence
Maria Velissariou, Food Security Solutions Americas, Lewes, DE, USA

01:30 PM RT29 – Asset Lifecycle Management in Food Manufacturing: Engineering Principles for Equipment and Facility Longevity Room 217-219

Organizers: Mark Moorman, Scott King

Moderator: Mark Moorman

Food Hygiene and Sanitation PDG

Sanitary Equipment and Facility Design PDG

Patrick English, Intralox, New Orleans, LA, USA

Gary Goessel, The Acheson Group, Grand Rapids, MI, USA

Timothy Jackson, U.S. FDA-CFSAN, Santa Cruz, CA, USA

Brian Shoop, ARCO Design/Build, Milford, OH, USA

Patrick Wouters, EHEDG, Amsterdam, Netherlands

Darin Zehr, CFS, Lowville, NY, USA

01:30 PM T13 – Food Chemical Hazards, General Microbiology, Food Allergens, Beverages and Acid/Acidified Foods, Food Fraud Prevention, and Food Law and Regulation Room 221

Convenors: Emily Moyer, Evan Rosen

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01:30 PM	T13-01 – Evaluating Inorganic Arsenic (iAs) Concentration, Consumption, and Exposure from Infant Rice Cereal Before and After the Issuance of FDA's iAs in Rice Cereal Draft Guidance Sarah Murphy , U.S. FDA, Minneapolis, MN, USA	01:45 PM	T14-02 – Development of an Optimized FDA Method for Detection of <i>Cyclospora cayentanensis</i> in Different Water Sources Using New Generation Detection Methods Mauricio Durigan , U.S. FDA, Laurel, MD, USA
01:45 PM	T13-02 – Commercial Plant-Based Burger Analogues: A Potential Source of Dietary Exposure to Acrylamide Chinaza Arinzechukwu , University of Guelph, Guelph, Ontario, Canada	02:00 PM	T14-03 – <i>Salmonella</i> Populations in Environmental Surface Water Exhibit Daily Changes and Repeated Introductions of Closely Related Strains Esther Palmer , University of Georgia, Athens, GA, USA
02:00 PM	T13-03 – Monocyte- and Extracellular-Mediated Mechanisms of <i>Listeria monocytogenes</i> Traversal of the Placental Barrier Rishi Drollia , Old Dominion University, Norfolk, VA, USA	02:15 PM	T14-04 – Matrix-Specific Studies for the Detection of <i>Cyclospora cayentanensis</i> in Food Sonia Almeria , U.S. FDA, Laurel, MD, USA
02:15 PM	T13-04 – Social Interactions and the Persistence of <i>Listeria monocytogenes</i> in Multi-Species Biofilms Yatong, Carris Jiang , University of Alberta, Edmonton, Alberta, Canada	02:30 PM	T14-05 – Analysis of Viral Contamination in the Agricultural Area of the Albufera of Valencia (Spain) After Flooding Event Alba Pérez-Cataluña , Institute of Agrochemistry and Food Technology (IATA-CSIC), Paterna, Spain
02:30 PM	T13-05 – Fermented Gluten Detection and Quantification in Beer and Yogurt Matrices Using Mass Spectrometry Sara Schlange , University of Nebraska Lincoln, Lincoln, NE, USA	02:45 PM	T14-06 – U.S. FDA and State Laboratories Verify Performance of Updated Method for the Detection of <i>Cyclospora cayentanensis</i> in Agricultural Water Using Dead-End Ultrafiltration Laura Ewing-Peeples , U.S. FDA, Laurel, MD, USA
02:45 PM	T13-06 – Synergistic Effect of Natural Antimicrobial Glycolipid and High-Pressure Processing Against <i>Alicyclo Bacillus acidoterrestris</i> in Apple Juice Rory Wang , University of Florida, Lake Alfred, FL, USA	03:00 PM	T14-07 – <i>Lacto Bacillus salivarius</i> Inhibits GII.4[P16] Human Norovirus Replication in Zebrafish Larvae Sahaana Chandran , University of Arkansas Fayetteville, Fayetteville, AR, USA
03:00 PM	T13-07 – Unmasking Hidden Gluten: Evaluating the Compliance of Gluten-Free Products and Consumer Exposure in Lebanon Hussein Hassan , Lebanese American University, Beirut, Lebanon	03:15 PM	T14-08 – Comparing Foodborne Virus Recovery and Inactivation on Polydimethylsiloxane (PDMS) Topomimetic Artificial Berry Surfaces and Fresh Berries Ashlyn Lightbown , University of California Davis, Davis, CA, USA
03:15 PM	T13-08 – An AI-Based Public Comment Analysis Framework for Food Safety Regulations: The <i>Salmonella</i> Rule Case Study Amit Morey , Auburn University, Auburn, AL, USA		
01:30 PM	T14 – Packaging, Water, and Viruses and Parasites Room 220 Convenors: Matthew Moore, Daniel Weller		
01:30 PM	T14-01 – Enhanced UV-Barrier, Antioxidant, and Antimicrobial Properties of Tannic Acid-Functionalized PBAT/Acetylated Thermoplastic Starch Biocomposite Films for Sustainable Active Packaging Ajit Kumar Singh , Yonsei University, Wonju, Korea (the Republic of)		

STUDENT MIXER

7:00 P.M.–9:00 P.M.

HILTON RIVERSIDE BUILDING RIVER/PORT/STARBOARD

We encourage all students to join for snacks, games and networking!

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JOHN H. SILLIKER LECTURE

Closing Session • Wednesday, July 29 • 4:00 p.m.–4:45 p.m.



RUTH PETRAN

Principal & Founder, Ruth Petran Consulting, LLC
Senior Advisor, The Acheson Group
Minneapolis, Minnesota

JOHN H. SILLIKER

Dr. John H. Silliker founded Silliker Laboratories in 1967, now known as Mérieux NutriSciences with more than 75 locations in 18 countries. Throughout his 50-year IAFP Membership, Dr. Silliker received the Harold Barnum Industry Award and the IAFP Honorary Life Membership Award. He passed away in 2015.

As a passionate yet practical food safety scientist, **Dr. Ruth Petran** is Principal and Founder of Ruth Petran Consulting, LLC in suburban Minneapolis, Minnesota and also serves as Senior Advisor, Food Safety, for The Acheson Group. Prior to starting her own business, Ruth held technical food safety and public health leadership roles at Ecolab, Pillsbury, and General Mills. She is skilled at tactical application of technical food safety risk management strategies spanning the global farm-to-fork supply chain and has focused on managing safety and quality concerns of microbiologically sensitive foods and systems. She has led food safety assessments at food manufacturing facilities worldwide, focusing on applied food safety systems and regulatory compliance.

Dr. Petran is a Fellow and Past President of the International Association for Food Protection (IAFP) and served two terms on the U.S. National Advisory Committee for Microbiological Criteria for Foods. She is a Certified Food Scientist and member of the Institute of Food Technologists and chaired the Minnesota Food Safety and Defense Task Force. Her Bachelor's degree is in Consumer Food Science from Cornell University, and she holds an M.S. in Food Science and a Ph.D. in Public Health, both from the University of Minnesota. Her thesis focused on leveraging data from health department inspections to improve food safety.

JOHN H. SILLIKER LECTURE ABSTRACT:

From Fundamentals to Frontiers: A Consultant's Guide to Tackling Food Safety Risks

After many years working within the food industry, I transitioned to consulting with the goal of helping organizations strengthen their food safety practices while balancing science with the practical realities of manufacturing and operations. This presentation focuses on a snapshot of common "opportunities" that I've been asked about and how I've responded. There are lessons we all can learn from these experiences.

We all know that in today's rapidly evolving food industry, organizations face a complex array of food safety challenges—from persistent lapses in basic practices to the emergence of new risks associated with novel products and processes. What I discovered was that a lot of issues stem from knowledge and implementation gaps in fundamental food microbiology and food safety practices. By focusing on core principles and adapting them as appropriate, we can improve our abilities in analyzing hazards and the accompanying management of risks to enable safer food production.

To keep food safe and companies thriving, it is imperative to maintain focus on these common concerns that are areas of highest risk. For example:

1. Persistent GMP violations including inadequate pest control, poor sanitary design, and inconsistent hygienic practices, continue to be reported by regulators, despite long standing requirements that they be implemented. We've seen instances where lapses in these basic programs can spiral quickly out of control.
2. The lack of understanding around controlling microbial growth, especially of toxin-producing and sporeforming organisms, is a recurring theme. Questions about shelf life, run time, and hold time often center on how to limit outgrowth and ensure product safety.
3. Identifying and controlling relevant hazards in raw materials brought into facilities has always been a challenge, but with the advent of FSMA, focus has been enhanced. Testing food products continues to be a popular technique to assess quality and/or safety, and it does have its place. But it also has limitations and should be used strategically as a verification method, rather than as a primary control. How can we best leverage testing in optimal ways as a verification technique to ensure that controls are properly implemented?
4. Advances in detection technologies now offer new opportunities to identify and address risks more effectively. By judiciously using these tools and focusing on robust hazard analyses, organizations can implement more robust risk management strategies.

We need to leverage the realities of these recurrent questions and issues to enable targeting controls where they will be most effective. This presentation will give you a clearer understanding of where and how to apply core principles using scenarios to bring this to life. My hope is that these reflections will inspire renewed focus on areas of highest risk and empower participants to drive safer food production in your own organizations.

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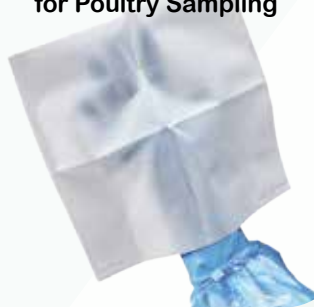


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POSTER SESSIONS

POSTER SESSION 1

MONDAY, JULY 27 – 8:30 a.m. – 6:15 p.m.

Epidemiology	Food Toxicology	Meat, Poultry and Eggs
Food Allergens	General Microbiology	Molecular Analytics, Genomics, and Microbiome
Food Chemical Hazards	Laboratory Methods	

EXHIBIT HALL

P1-001 through P1-118 – Authors present 10:00 a.m. – 11:30 a.m. and 5:15 p.m. – 6:15 p.m.

P1-119 through P1-250 – Authors present 2:15 p.m. – 3:45 p.m. and 5:15 p.m. – 6:15 p.m.

POSTER SESSION 2

TUESDAY, JULY 28 – 8:30 a.m. – 6:15 p.m.

Antimicrobials	Modeling and Risk Assessment	Viruses and Parasites
Beverages and Acid/Acidified Foods	Plant-Based Alternative Foods	Water
Food Defense	Pre-Harvest Food Safety	
Food Fraud Prevention	Produce	

EXHIBIT HALL

P2-001 through P2-121 – Authors present 10:00 a.m. – 11:30 a.m. and 5:15 p.m. – 6:15 p.m.

P2-122 through P2-247 – Authors present 2:15 p.m. – 3:45 p.m. and 5:15 p.m. – 6:15 p.m.

POSTER SESSION 3

WEDNESDAY, JULY 29 – 8:30 a.m. – 3:30 p.m.

Animal and Pet Food Safety	Food Processing Technologies	Retail and Food Service Safety
Communications, Outreach and Education	Food Safety Systems	Sanitation and Hygiene
Dairy	Low-Water Activity	Seafood
Data Management	Microbial Food Spoilage	
Food Law and Regulation	Food Packaging	

EXHIBIT HALL

P3-001 through P3-102 – Authors present 10:00 a.m. – 11:00 a.m. and 12:00 p.m. – 1:00 p.m.

P3-103 through P3-213 – Authors present 11:00 a.m. – 1:00 p.m.

POSTER SESSIONS

MONDAY, JULY 27

8:30 AM – 6:15 PM

Exhibit Hall

Poster Session 1

Epidemiology, Food Allergens, Food Chemical Hazards, Food Toxicology, General Microbiology, Laboratory Methods, Meat, Poultry and Eggs, and Molecular Analytics, Genomics, and Microbiome

P1-01 through P1-118 – Authors present 10:00 AM – 11:30 AM and 5:15 PM – 6:15 PM

P1-119 through P1-250 – Authors present 2:15 PM – 3:45 PM and 5:15 PM – 6:15 PM

- P1-001** **Physical Structure of Peanuts Has a Major Influence on Peanut Allergen Destruction by Electron Beam (eBeam) Processing**
Tonali Lara-Ramos, Primary Author, Abstract Presenter, Submission Contact, Texas A&M University, College Station, TX, USA; **Chandni Praveen**, Author, Texas A&M University, College Station, TX, USA; **Wei Li**, Author, Office of the Texas State Chemist, College Station, TX, USA; **Kyung-Min Lee**, Author, Office of the Texas State Chemist, College Station, TX, USA; **Timothy J. Herrman**, Author, Texas A&M University, College Station, TX, USA; **Suresh Pillai**, Author, Texas A&M University, College Station, TX, USA
- P1-002** **Gluten Quantitation in Sourdough Under Varying Fermentation Conditions**
Rakhi Panda, Primary Author, Author, Abstract Presenter, Submission Contact, USDA, College Park, MD, USA
- P1-003** **Quantification of Wheat, Rye, and Barley Gluten in Sourdough Using a Multiplex-Competitive ELISA: Effect of Heat Treatment**
Olivia Awate, Primary Author, Abstract Presenter, Submission Contact, USDA, College Park, MD, USA; **Rakhi Panda**, Author, USDA, College Park, MD, USA
- P1-004** **Allergen Risk “Off the Menu”: Gaps in Restaurant Allergen Communication in Brazil and the Case for National Regulation**
Mariana Vicentini, Author, Universidade Estadual de Campinas, Limeira, Brazil; **Mirela Estigarriba**, Author, Universidade Estadual de Campinas, Limeira, Brazil; **Lais Zanin**, Author, University of São Paulo, Ribeirão Preto, São Paulo, Brazil; **Elke Stedefeldt**, Author, Federal University of São Paulo, São Paulo, Brazil; **Diogo da Cunha**, Primary Author, Abstract Presenter, Submission Contact, State University of Campinas, Limeira, São Paulo, Brazil
- P1-005** **Moral Norms on the Menu: How Knowledge and Anticipated Emotions Drive Food Allergy Management Intentions Among Brazilian Food Service Operators**
Mariana Vicentini, Author, Universidade Estadual de Campinas, Limeira, Brazil; **Lais Zanin**, Author, University of São Paulo, Ribeirão Preto, São Paulo, Brazil; **Elke Stedefeldt**, Author, Federal University of São Paulo, São Paulo, Brazil; **Mirela Estigarriba**, Author, Universidade Estadual de Campinas, Limeira, Brazil; **Giovana Cardoso**, Author, Universidade Estadual de Campinas, Limeira, Brazil; **Diogo da Cunha**, Primary Author, Abstract Presenter, Submission Contact, State University of Campinas, Limeira, São Paulo, Brazil
- P1-006** **Allergen-Risk Management and Precautionary Communication in Packaged Foods: Field Evidence on Label Interpretation and Inadvertent Exposure Among Families with Food Allergies in Argentina**
Fabiana Guglielmo, Primary Author, Abstract Presenter, Submission Contact, Isalud University, CABA, Buenos Aires, Argentina; **Nancy Toribio**, Author, Isalud University, CABA, Buenos Aires, Argentina; **Paola Aldegani**, Author, Isalud University, CABA, Buenos Aires, Argentina; **Carolina Motto**, Author, External Consultant, Luján, Buenos Aires, Argentina; **Diego Marmaruso**, Author, Sanatorio de Niños Hospital Roque Sáenz Peña, Rosario, Santa Fé, Argentina; **María Eugenia Gervasoni**, Author, Hospital de Niños Víctor J. Vilela y del Hospital I. Carrasco, Rosario, Santa Fé, Argentina; **Natalia Petriz**, Author, Hospital Italiano de Buenos Aires, CABA, Ciudad Autónoma de Buenos Aires, Argentina; **Romina Mehaudy**, Author, Hospital Italiano de Buenos Aires, CABA, Ciudad Autónoma de Buenos Aires, Argentina

- P1-007** **Novel Automated Immunoanalysis Method Based on Nanoparticles for Gluten Quantification in Food**
Teresa Perez-Escoda, Primary Author, Abstract Presenter, Submission Contact, Biosystems, SA, Barcelona, Barcelona, Spain; **Andreu Tobena Montanuy**, Author, Biosystems, SA, Barcelona, Barcelona, Spain; **Sabina Dueñas Ros**, Author, Biosystems, SA, Barcelona, Spain; **Merce Boix**, Author, Biosystems, SA, Barcelona, Barcelona, Spain
- P1-008** **Development of a Competitive Lateral Flow Assay for Allergen Detection Based on Thermal-Stable Soluble Proteins (TSSPs) of Edible Insects in Processed Foods**
Hye-jin Kim, Primary Author, Abstract Presenter, Submission Contact, Gyeongsang National University, Jinju, Gyeongsangnam-do, Korea (the Republic of); **Dong-Gyu Lee**, Author, Division of Applied Life Science, Graduate School, Gyeongsang National University, Jinju, Gyeongsangnam-do, Korea (the Republic of); **Ik-Jun Choi**, Author, Division of Applied Life Science, Graduate School, Gyeongsang National University, Jinju, Gyeongsangnam-do, Korea (the Republic of); **Ho-Jin Song**, Author, Division of Applied Life Science, Gyeongsang National University, Jinju, Gyeongsangnam-do, Korea (the Republic of); **In-Gyu Jung**, Author, Gyeongsang National University, Jinju, Gyeongsangnam-do, Korea (the Republic of); **Sung-Jin Lee**, Author, Gyeongsang National University, Jinju, Gyeongsangnam-do, Korea (the Republic of); **Ji Yoon Chang**, Author, Institute of Agricultural and Life Science, Gyeongsang National University, Jinju, Gyeongsangnam-do, Korea (the Republic of); **Won-Bo Shim**, Author, Institute of Agricultural and Life Science, Gyeongsang National University, Jinju, Gyeongsangnam-do, Korea (the Republic of)
- P1-009** **Risks and Mitigation of Allergen and Gluten Cross-Contact from Reused Frying Oil and Breeding Mixtures**
Xingyi Jiang, Primary Author, Abstract Presenter, Submission Contact, USDA, Bedford Park, IL, USA; **Benjamin Remington**, Author, USDA, College Park, MD, USA; **Stefano Lucciolli**, Author, USDA/CFSAN, College Park, MD, USA; **Karen Swajian**, Author, USDA, College Park, MD, USA; **Aravind Bingi**, Author, Florida State University, Tallahassee, FL, USA; **Qinchun Rao**, Author, Florida State University, Tallahassee, FL, USA; **Lauren Jackson**, Author, FDA/HFP, Bedford Park, IL, USA
- P1-010** **Rapid Detection of Milk Allergens by Lateral Flow Immunoassay in Dairy Ingredients**
Fangzhou Yuan, Primary Author, Abstract Presenter, Submission Contact, Neogen Biotechnology (Shanghai) Ltd., Shanghai, China; **Xianming Zhao**, Author, Neogen China, Shanghai, Shanghai, China
- P1-011** **Quantitative Assessment of Phthalate Migration from Polystyrene Microplastics During Simulated Digestion Using LC-MS: Implications for Dietary Risk**
Gopinath Mummaleti, Primary Author, Abstract Presenter, Submission Contact, Dept. of Food Science and Technology, University of Georgia, Athens, GA, USA; **Fanbin Kong**, Author, Dept. of Food Science and Technology, The University of Georgia, Athens, GA, USA
- P1-012** **Proficiency Testing of Heavy Metal Analysis in Foods**
Yang Chen, Author, Abstract Presenter, Submission Contact, FDA-HFP-OLOAS, Division of Food Processing Science and Technology, Bedford Park, IL, USA; **Ravinder Reddy**, Author, USDA, Bedford Park, IL, USA; **Stacie Hammack**, Author, FDA-HFP-OLOAS-ORTS, College Park, MD, USA; **James Farrow**, Author, FDA-HFP-OLOAS-ORTS, College Park, MD, USA; **Lauren Yeoung**, Author, FDA, Rockville, MD, USA; **Sarah Wilson**, Author, USDA-HFP-OLOAS-ORTS, College Park, MD, USA; **Robert Phillips**, Author, USDA-FSIS, Athens, GA, USA; **Jason Wan**, Primary Author, Author, Institute for Food Safety and Health, Summit Argo, IL, USA

POSTER SESSIONS

- P1-013** **Market Survey to Determine the Prevalence of Morphine, Codeine, and Thebaine on Poppy Seeds**
Katherine Fiedler, Primary Author, Abstract Presenter, Submission Contact, USDA, Human Foods Program, Office of Laboratory Operations & Applied Science, Office of Chemistry and Toxicology, College Park, MD, USA; Jesse Lunzer, Author, USDA, Human Foods Program, Office of Food Chemical Safety, Dietary Supplements, & Innovation, College Park, MD, USA; Erica Bakota, Author, USDA, Human Foods Program, Office of Laboratory Operations & Applied Science, Office of Regulatory Testing & Surveillance, Lenexa, KS, USA
- P1-014** **Migration of Microplastics from Take-Out Containers**
Sana Mujahid, Primary Author, Abstract Presenter, Submission Contact, Consumer Reports, Yonkers, NY, USA; Tunde Akinleye, Author, Consumer Reports, Yonkers, NY, USA; Eric Boring, Author, Consumer Reports, Yonkers, NY, USA; Shanika Whitehurst, Author, Consumer Reports, Yonkers, NY, USA; James Rogers, Author, Consumer Reports, Yonkers, NY, USA
- P1-015** **Occurrence of Mycotoxins in Complementary Foods Sold in Accra, Ghana**
Bennett Dzandu, Primary Author, Abstract Presenter, Submission Contact, University of Ghana, Accra, Ghana; Beatrice Aberdey Mensah, Author, University of Ghana, Accra, Ghana; Firibu Saalia, Author, University of Ghana, Accra, Ghana
- P1-016** **Detection of *Salmonella enterica* Across the Beef Production with Digital qPCR**
Ethan Dudley, Primary Author, Abstract Presenter, Submission Contact, Texas A&M University, Canyon, TX, USA; Kushal Lamsal, Author, Texas A&M University, Canyon, TX, USA; Matthew Scott, Author, Texas A&M University, Canyon, Texas, USA; Amelia Woolums, Author, Mississippi State University, Starkville, MS, USA; Brandi Karisch, Author, Mississippi State University, Starkville, MS, USA; Kelsey Harvey, Author, Mississippi State University, Starkville, MS, USA; Sarah Capik, Author, Oklahoma State University, Stillwater, OK, USA; Vinicius Gouvea, Author, Texas A&M AgriLife, Bushland, TX, USA
- P1-017** **Genomic Insights into *Salmonella* Virulence in Hospitalized Cattle**
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- P1-018** **A Concentration-Based Quantitative Risk Assessment for Shiga Toxin-Producing *E. coli* on Fresh Produce from Manure**
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- P1-019** **Recurrent Outbreaks of Genetically Distinct Strains of Shiga Toxin-Producing *Escherichia coli* O157:H7 in Beef Cattle and Co-Mingling Wildlife at a Rangeland in California Central Coastal Agricultural Region**
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- P1-020** **Developing Criteria for Identifying Emerging *Salmonella* Populations of Public Health Concern**
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- P1-021** **Surveillance of Enteric Pathogens in Stuffed Frozen Raw Breaded Chicken Products in Canada**
Hailey M. Silver, Primary Author, Abstract Presenter, Submission Contact, Public Health Agency of Canada, Guelph, Ontario, Canada; Tanushka Doctor, Author, Public Health Agency of Canada, Guelph, Ontario, Canada; Andrea Nesbitt, Author, Public Health Agency of Canada, Guelph, Ontario, Canada; Richard Reid-Smith, Author, Public Health Agency of Canada, Guelph, Ontario, Canada
- P1-022** **A Review of Two 2025 Investigations of *Salmonella* Enteritidis Illnesses Linked to Shell Eggs**
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- P1-023** **Enhanced Surveillance of Non-Typhoidal Salmonellosis: Estimating Chronic Sequelae Frequency and Risk Factors in Canada**
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- P1-024** **Antibiotic Residues and Resistance Emergence in Wildlife Consumed as Bushmeat in Nigeria: Food Safety and Public Health Challenge**
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- P1-025** **Behavioral and Environmental Risk Factors Shaping Persistence of *Gronobacter* spp. in USA Households**
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- P1-026** **Estimating the Burden of Foodborne Illness for *Campylobacter*, *Salmonella*, and *Vibrio parahaemolyticus* in Japan, 2006–2023**
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POSTER SESSIONS

- P1-027** **Incorporating Multi-Year Outbreaks into Interagency Food Safety Analytics Collaboration (IFSAC) Annual Estimates of Foodborne Illness Source Attribution**
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- P1-028** **Wildlife-Associated Shiga Toxin-Producing *Escherichia coli* Spatiotemporal Dynamics in California Central Coast Agricultural Region**
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- P1-029** **WITHDRAWN**
- P1-030** **Foodborne Bacterial Illness Outbreaks Linked to Non-Dairy Fermented Food Products – USA, 2011–2023**
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- P1-031** **Foodborne Disease Outbreaks Caused by Hepatitis A Virus—Foodborne Disease Outbreak Surveillance System, USA, 1998–2024**
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- P1-032** **U.S. Trends in *V. cholerae* Infections Attributed to Seafood and Water Exposures, 2017–2024**
Mike Hughes, Primary Author, Author, Submission Contact, US CDC, Atlanta, GA, USA; Kristina Angelo, Abstract Presenter, CDC, Atlanta, GA, USA
- P1-033** **Effect of Bacteriophages Against *Salmonella* Biofilms With and Without Soiling of Egg Constituents**
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- P1-034** **WITHDRAWN**
- P1-035** **Application-Ready Phage Biocontrol of MDR *Salmonella* Infantis on Chicken Breast with No Detectable Quality Trade-Offs**
Rocio Barron-Montenegro, Primary Author, Abstract Presenter, Pontificia Universidad Catolica, Macul, Chile; Marcia Suarez, Author, Pontificia Universidad Catolica, Macul, Santiago, Chile; Maximiliano Mora-Miranda, Author, Pontificia Universidad Catolica, Macul, Santiago, Chile; Pablo Caballero, Author, Pontificia Universidad Catolica, Macul, Santiago, Chile; Diana Alvarez-Espejo, Author, Pontificia Universidad Catolica, Macul, Santiago, Chile; Andrea Moreno Switt, Author, Submission Contact, Catholic University of Chile, Santiago, Chile

- P1-036** **Survival of *Aliarcobacter butzleri* on Raw Poultry Under Different Packaging Atmospheres and Peracetic Acid Treatments with Different Organic Matter Levels**
Rocio Barron-Montenegro, Primary Author, Abstract Presenter, Pontificia Universidad Catolica, Macul, Chile; April Jimenez, Author, Connecticut University, Storrs, CT, USA; Gary Sullivan, Author, University of Nebraska Lincoln, Lincoln, NE, USA; Byron Chaves, Author, Submission Contact, Rutgers University, New Brunswick, NJ, USA
- P1-037** **Effective Reduction of *Salmonella* Load and Serovar Complexity in Chicken Parts Through Antimicrobial Intervention**
Amber Richards, Primary Author, Abstract Presenter, Submission Contact, University of Georgia, Athens, GA, USA; Caitlin Harris, Author, USDA-ARS, U.S. National Poultry Research Ctr., Poultry Microbiological Safety and Processing Research Unit, Athens, GA, USA; Elizabeth McMillan, Author, USDA-ARS, U.S. National Poultry Research Center, Athens, GA, USA; Nikki Shariat, Author, University of Georgia, Athens, GA, USA
- P1-038** **Optimizing pKa-Based Organic Acid Combinations to Enhance Antimicrobial Efficacy at pH 6**
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- P1-039** **Effect of Organic Acid Combinations on *Clostridium perfringens* Growth Inhibition During Extended Cooling of Cooked Uncured Beef**
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- P1-040** **Clean-Label Antimicrobials for Inhibiting Spoilage Microorganisms Isolated from Processed Meat System**
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- P1-041** **Efficacy of Natural Flavor for Inhibiting the Growth of Spoilage Causing Lactic Acid Bacteria Associated with Meat Products**
Kaylee Rumbaugh, Primary Author, Author, Abstract Presenter, Submission Contact, Kerry Ingredients and Flavors, Beloit, WI, USA; Jyoti Aryal, Author, Kerry Food Protection & Preservation, Beloit, WI, USA; Hailey Davidson, Author, Kerry, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA
- P1-042** **Effects of Pimenta Essential Oil and Trans-Cinnamaldehyde on *Salmonella* Heidelberg and Microbiome Succession in Refrigerated Ground Turkey**
Dhananjai Muringattu Prabhakaran, Primary Author, Abstract Presenter, Submission Contact, University of Minnesota, St. Paul, MN, USA; Shiliang Jia, Author, College of Food Science and Technology, Zhejiang University of Technology, Hangzhou, China; Anup Kollanoor Johny, Author, University of Minnesota, Falcon Heights, MN, USA

POSTER SESSIONS

- P1-043** **Control Post-Lethality *Listeria* spp. Contamination in RTE Beef Bologna Using Lauric Alginate via Spray Lethality in Container (SLIC) Technique**
Chi-An Lee, Primary Author, Author, Abstract Presenter, Submission Contact, A&B Ingredients, Fairfield, NJ, USA
- P1-044** **Antifungal Antimicrobials System for Inhibiting Molds Isolated from Processed Meat Products**
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- P1-045** **Evaluation of Clean-Label Buffered Vinegar as an Alternative to Conventional Sodium Acetate for Shelf-Life Extension in Ready-to-Eat Cooked Pork**
Laura Araujo, Primary Author, Abstract Presenter, Submission Contact, Kerry Ingredients and Flavors, Beloit, WI, USA; Jyoti Aryal, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Hailey Davidson, Author, Kerry, Beloit, WI, USA; Kaylee Rumbaugh, Author, Kerry Ingredients and Flavors, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA
- P1-046** **Inhibition of *Salmonella* Growth in Fresh Ground Beef, Pork and Poultry by a Novel Vinegar-Based Preservation System Under Abusive Temperature Conditions**
Harshavardhan Thippareddi, Primary Author, Author, Abstract Presenter, Submission Contact, Naya Naturals, Athens, GA, USA
- P1-047** **Extension of Refrigerated Shelf Life of Fresh Ground Beef, Pork and Poultry Using a Novel Vinegar-Based Preservation System**
Harshavardhan Thippareddi, Primary Author, Author, Abstract Presenter, Submission Contact, Naya Naturals, Athens, GA, USA
- P1-048** **No-Sodium Dry Vinegar Extends Shelf Life of Ground Beef, Pork, and Turkey**
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- P1-049** **Vinegar Intervention Strategies for Shelf-Life Extension in Fresh Chicken Breasts and Thighs**
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- P1-050** **Spoilage Suppression in Bacon Using Clean-Label Antimicrobials: Shelf Life and LAB Challenge Studies**
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- P1-051** **Assessment of Antimicrobial Systems for Controlling *Listeria monocytogenes* and Spoilage Bacteria in Hot Dogs**
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- P1-052** **Efficacy of Vinegar for Control of Spoilage Microorganisms and *Listeria monocytogenes* in Ready-to-Eat Chicken Stored Under Refrigeration**
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- P1-053** **Balancing Clean Labels and Shelf Life in Fresh Ground Pork**
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- P1-054** **Investigating the Effect of Deep-Chill, Type of Microbial Strain, and Antimicrobial on the Growth of *L. monocytogenes* in RTE Hot Dogs**
Shivaprasad Doddabematti Prakash, Author, Kansas State University, Manhattan, KS, USA; Tushar Verma, Primary Author, Abstract Presenter, Submission Contact, Corbion, Lenexa, KS, USA; Sara LaSuer, Author, Corbion, Lenexa, KS, USA; Michael Garza, Author, Corbion, Lenexa, KS, USA; Andrew Dillon, Author, Corbion, Lenexa, KS, USA; Garrett McCoy, Author, Corbion, Lenexa, KS, USA
- P1-055** **Mapping Microbial Ecology in a Small Pasture Poultry Operation**
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- P1-056** **Evaluating Pre-Harvest *Salmonella* Serotype Persistence Over Multiple Broiler House Cycles**
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- P1-057** **Temperature-Dependent Microbial VOC Signatures for Early Detection of *Salmonella* in Eggs**
Stephanie Richter, Primary Author, Abstract Presenter, Submission Contact, Georgia Tech Research Institute, Atlanta, GA, USA; Kandi Henry, Author, Georgia Tech Research Institute, Atlanta, GA, USA; Christopher Heist, Author, Georgia Tech Research Institute, Atlanta, GA, USA; Olga Kemenova, Author, Georgia Tech Research Institute, Atlanta, GA, USA; Daniel Sabo, Author, Georgia Tech Research Institute, Atlanta, GA, USA
- P1-058** **WITHDRAWN**
- P1-059** **Egg-Production Housing Systems Impact on the Eggshell Microbiome and Safety**
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- P1-060** **Fecal Contamination Detected on Eggshells Using Portable Fluorescence Imaging and Explainable Deep Learning**
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P1-061 Quantification of *Campylobacter coli* Using Digital PCR, qPCR, Most Probable Number, and Direct Plating in Pure Culture and Poultry Rinsate

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P1-062 Rapid Detection and Identification of Highly Pathogenic *Salmonella* at 10 CFU/mL in MicroTally Poultry Carcass Mitts Using Hygiena's BAX® System Real-Time PCR Solutions

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P1-063 Potential Level-Based Performance Standards That Focus on Risky High-Level *Salmonella* in Chicken Parts

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P1-064 Potential Industry Response to Potential Level-Based Standards Shows That Reducing High-Level *Salmonella* Reduces Estimated Public Health Risk in Chicken Parts

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P1-065 Temperature-Dependent Effects of Salt and Background Microbiota on *Salmonella* Growth in Raw Ground Chicken

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P1-066 Persistence and Cross-Contamination of *Salmonella* from Raw Chicken on Domestic Surfaces

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P1-067 Simulation of Quantification-Based 3-Class Sampling Schemes for *Salmonella* Monitoring Using Intensive Commercial Poultry Sampling Data

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P1-068 Simulation of Quantification-Based 3-Class Sampling Schemes for *Salmonella* Monitoring Using USDA-FSIS Poultry Verification Data

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P1-069 *Salmonella* Infantis Risk in Broilers: An Experimental Comparison of Plasmid-Bearing and Ancestral *S. Infantis*, and *S. Infantis* Co-Infected with *S. Kentucky*

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P1-070 Geographic and Temporal Patterns of *Salmonella* Serovars in U.S. Poultry Products and Their Potential Link to Human Illness

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P1-071 Identification and Characterization of Bacterial Biofilm Profiles in Quebec Pork Slaughterhouses

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P1-072 Thermal Inactivation of *Salmonella* During Pork Fat Rendering for Lard Production (60 to 93.3°C)

Hayriye Cetin-Karaca, Primary Author, Abstract Presenter, Submission Contact, Smithfield Foods, Cincinnati, OH, USA; Jacob Davenport, Author, Smithfield, Kansas City, KS, USA

P1-073 Evaluating *Carnobacterium* spp. as a Surrogate for *Salmonella* Typhimurium DT104 in Droëwors Processing

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P1-074 Prevalence of Hybrid Shiga Toxin-Producing Enterococcal *Escherichia coli* Among Meat Samples in the USA

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P1-075 Strain Selection Influences the Performance of an Enrichment-Based *Salmonella* Quantification Method

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- P1-076** **Comparison of *Salmonella* Serotype Abundance and Complexity in Beef Cattle Organs**
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- P1-077** **Evaluation of Microorganism Recovery Using an Alternative Manual Sampling Swab Device in Comparison with N60 Sampling for Boxed Beef Cuts in Brazilian Beef Industry**
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- P1-078** **Antimicrobial Resistance Pattern of *Campylobacter* spp. Recovered from Chicken Meat Samples of Retail Grocery Stores**
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- P1-079** **Growth and Survival of *Aliarcobacter butzleri* in Ground Chicken Under Refrigeration and Frozen Storage Conditions**
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- P1-080** **Assessing Meat and Poultry Safety Practices and Knowledge Gaps Among Farmers' Market Vendors**
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- P1-081** **Optimizing Bacterial Whole Genome Sequencing for Food Safety: Best Practices for Long-Read Sequencing**
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- P1-082** **Impact of Paralog Merging on Integrative Source Attribution Models of *Vibrio parahaemolyticus***
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- P1-083** **Development of a Database for *infB* Sequence-Based Subtyping and Identification of *Cronobacter***
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- P1-084** **Artificial Intelligence-Guided Development of Species-Specific Real-Time PCR Assays for Detection of Dominant *Bacteroides* Species in the Human Gut**
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- P1-085** **An Expanded FDA Botanical DNA Reference Library and Marker Evaluation Framework for Plant Species Identification**
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- P1-087** **Genotypic and Phenotypic Characterization of *Bacillus cereus* Isolates from Human Clinical Cases in Slovenia**
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- P1-088** **WITHDRAWN**
- P1-089** **Isolation and Genetic Characterization of a *Cronobacter sakazakii* Strain Recovered from Spice Powder**
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- P1-090** **Globally Integrated *Listeria* and *Cronobacter* WGS Strain Tracking Using Oxford Nanopore Technologies' Long-Read Sequencing**
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- P1-091** **Characterizing the Antibiotic Resistance Genes, Virulence Factors, and Pathogens in the Household Environment of Three Global Cities**
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P1-092 Genomic Insights into Imported Retail Food as a Source of Antibiotic-Resistant *Escherichia coli* in Pristine Areas Free from Agricultural Activity

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P1-093 Antimicrobial Resistance Profiles and Genomic Characteristics of Hybrid STEC/ETEC Isolated from Animal Feces, Beef and Pork Meat in South Korea

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P1-094 Genomic Surveillance of Antimicrobial Resistance, Plasmids, and Virulence Determinants in Shiga Toxin-Producing *Escherichia coli* in the USA

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P1-095 Comparative Genomic Analysis Reveals Clade, Source, and Region-Specific Patterns in *Salmonella enterica* Serovar Rubislaw in the U.S.

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P1-096 Machine Learning-Based Identification of Host-Associated Genomic Features in *Salmonella enterica* Serovar Dublin

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P1-097 In-Silico Evaluation and Simulation of Performance of *Salmonella* Virulence Molecular Targets Under Realistic Serovar Profiles in Food Products

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P1-098 Plasmid Diversity in *Salmonella* Kentucky ST152 Isolated from Live Poultry Environments on Oregon's Agrotourism Farms

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P1-099 Lineage Stability Overrides Reservoir Adaptation in the Plasmidome of *Salmonella* Enteritidis from Low-Moisture Foods

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P1-100 Characterizing the Cell Surface-Associated Proteins of *Salmonella* Typhimurium Strain SL1344 Using a Biotinylation-Based Protein Extraction Method: A Proof-of-Concept Study

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P1-101 Transcriptional Profile of *Cronobacter sakazakii* to Growth Phase and Nutrient Availability

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P1-102 Surviving the Elements: Heavy Metal Tolerance Within REPEXH02 *E. coli* O157:H7

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P1-103 Expression of Virulence Genes in *Listeria monocytogenes* Shifts with Sub-Lethal Electron Beam Exposure

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P1-104 How Ribosome Engineering Enhances the Production of Paenibacillin, a Promising Antimicrobial Additive: Insights via Comparative Genomics

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P1-105 Genomic and Phenotypic Characterization of Novel Lactic Acid Bacteria for Consortium-Based Kimchi Fermentation

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P1-106 Nanomaterial Interactions with Agri-Food Microbiome: Impacts on Microbial Communities and Pathogen Dynamics

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P1-107 Microbiota Modulation in Chickens Reduces *Salmonella* Colonization and Promotes Beneficial Host Cecal Gene Expression

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P1-108 **Metagenomics-Driven Isolation of *Salmonella* in Food**
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P1-109 **Comprehensive Shotgun Metagenomic Analysis of Bison Carcasses Pre- and Post-Antimicrobial Treatment and Corresponding Fecal Microbiomes**
Kavya Gavai, Primary Author, Submission Contact, Oklahoma State University, Stillwater, OK, USA; Sulav Indra Paul, Author, Abstract Presenter, Oklahoma State University, Stillwater, OK, USA; Li Ma, Author, Oklahoma State University, Stillwater, OK, USA; Ravi Jadeja, Author, Oklahoma State University, Stillwater, OK, USA

P1-110 **Effects of Adaptive Multi-Paddock Grazing on Soil Microbiome Composition and Function in Pecan Orchards**
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P1-111 **Metagenomic Comparison of Soil Antibiotic Resistomes Under Conventional and Adaptive Multi-Paddock Grazing in Pecan Orchards**
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P1-112 **Altered Gut Microbiome Structure Associated with *Salmonella enterica* Colonization in Cows**
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P1-113 **Metagenomic Analysis Reveals BSAAO-Driven Soil Microbiome Shifts Resulting in Extended *Escherichia coli* Persistence**
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P1-114 **Impact of Fruit Addition on Microbial Communities and Metabolite Profiles of Ginger Beer, a Traditional Beverage Derived from Ginger Roots**
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P1-115 **Defining Microbial Communities and Predicting *Salmonella* Serotypes in Ground Melon Seeds (Egusi) Using Shotgun Metagenomics**
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P1-116 **Assessing the Efficacy of Post-Harvest Sanitization Methods and Refrigerated Storage on Romaine Lettuce Microbiome Using 16S rRNA Sequencing**
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P1-117 **Microbiota-Compatible Industrial Application of a *Listeria*-Targeting Bacteriophage in Baby Spinach**
Pilar Truchado, Primary Author, Abstract Presenter, Submission Contact, CEBAS-CSIC, Murcia, Spain; Illán Guillermo, Author, CEBAS-CSIC, Murcia, Spain; Juan Antonio Tudela, Author, CEBAS-CSIC, Murcia, Spain; Natalia Hernández, Author, CEBAS-CSIC, Murcia, Spain; Silvia Andújar, Author, CEBAS-CSIC, Murcia, Spain; Diego Sabater, Author, CEBAS-CSIC, Murcia, Spain; Ana Allende, Author, CEBAS-CSIC, Murcia, Murcia, Spain; María Isabel Gil, Gil, Author, CEBAS-CSIC, Murcia, Spain

P1-118 **Precision Harpoon or Wider Net? Assessing Targeted Metagenomic Enrichment for Robust Species-Level Identification of Arthropod Contaminants**
Monica Pava-Ripoll, Primary Author, Abstract Presenter, Submission Contact, USDA, Human Foods Program, College Park, MD, USA; Mark Mammel, Author, USDA, Laurel, MD, USA; Elizabeth Reed, Author, USDA-HFP, College Park, MD, USA; Andrea Ottesen, Author, USDA-CVM, Laurel, MD, USA; Madeline Loughlin, Author, Joint Institute for Food Safety and Applied Nutrition (JIFSAN), University of Maryland, College Park, MD, USA; Padmini Ramachandran, Author, USDA, College Park, MD, USA

P1-119 **Effect of Phosphine Treatment and Interstitial Carbon Dioxide on Deoxynivalenol Production in Wheat Under Varying Storage Conditions**
Aanchal Pande, Primary Author, Abstract Presenter, Submission Contact, University of Manitoba, Winnipeg, Manitoba, Canada; Fuji Jian, Author, University of Manitoba, Winnipeg, Manitoba, Canada; Jitendra Paliwal, Author, The University of Winnipeg, Winnipeg, Manitoba, Canada; Matthew G. Bakker, Author, University of Manitoba, Winnipeg, MB, Canada

P1-120 **Benchmarking the Invisible: A Tiered Framework for Deriving Benchmark Dose from Fragmented Toxicological Data on Nano- and Microplastics**
Andrew Steven Ortiz Balsero, Primary Author, Abstract Presenter, Submission Contact, University of Nebraska-Lincoln, Lincoln, NE, USA; Bing Wang, Author, University of Nebraska Lincoln, Lincoln, NE, USA; Jaber Ghorbani, Author, University of Nebraska Lincoln, Lincoln, NE, USA; Yusong Li, Author, College of Engineering, University of Nebraska Lincoln, Lincoln, NE, USA; George Gray, Author, 3Environmental and Occupational Health, Milken Institute School of Public Health, Washington, D.C., USA; Svetlana Romanova, Author, University of Nebraska Medical Center, Omaha, NE, USA; Lucia Fernandez-Ballester, Author, Department of Mechanical and Materials Engineering, University of Nebraska-Lincoln, Lincoln, NE, USA; Joseph Baumert, Author, University of Nebraska Lincoln, Lincoln, NE, USA

P1-121 **Assessing Biological Endpoints of Micro- and Nanoplastic Exposure Relevant to Food Safety**
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P1-122 **Microplastics Support Colonization and Alter Antimicrobial Susceptibility of *Campylobacter jejuni***
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P1-123 Risk Interpretation of Arsenic, Lead, Cadmium, and Mercury Reported in U.S. Baby Foods

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P1-124 Pressure Sensitivity of 0157 and Non-0157 Shiga Toxin-Producing *Escherichia coli* Augmented by Eugenol, Allicin, and Mild Heat

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P1-125 Stress-Induced Formation of *Campylobacter jejuni* Persists in Agri-Food Environments

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P1-126 Physiological Characterization of Viable But Non-Culturable *Salmonella* by the Exposure of Sodium Hypochlorite

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P1-127 High-Throughput Kinetic Phenotyping of Microbes via Automated 3D Digital Culturing

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P1-128 Temperature Effects on the Persistence of Aichi Virus in a Hydroponic Nutrient Solution

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P1-129 Characterizing the Effects of Short-Chain Fatty Acids on *Campylobacter jejuni* Virulence

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P1-130 Designing Decision-Relevant *Clostridium botulinum* Challenge Tests for Chilled Foods: When Temperature Abuse Shifts from Counts to Toxin

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P1-131 Gap Analysis on *Cronobacter* spp. in Foods Intended for Infants

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P1-132 Comparative Analysis of Microbial Activity in Yellow Mealworm (*Tenebrio molitor*) Larvae Batches Across Various Time Points and Origins

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P1-133 The Silencing of *recA* Gene by ZIF-8/*ASO/recA-mRNA* Reduced the Adhesion Capacity of Enterohemorrhagic, Enterotoxigenic, and Enteroadhesive *Escherichia coli* to Caco-2 Cells

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P1-134 Horizontal Transfer of QACs Resistance Genes Between *Listeria innocua* and *Listeria monocytogenes* Strains Isolated from a Frozen Vegetable Production Environment

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P1-135 Impact of *Listeria monocytogenes* on the Extracellular Polymeric Substance (EPS) Composition in Biofilms with *Pseudomonas*

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P1-136 Biocide Resistance in Background Microorganisms Associated with Food Processing Environments

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P1-137 Biofilm Formation by Wild-Type and Pressure-Stressed *Escherichia coli* O157:H7 and *Salmonella enterica* Serovars on Stainless Steel in Milk at 4°C and 37°C

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P1-138 Validation of a Rapid Method to Detect Yeast and Mold in a Broad Range of Foods Following China GB 4789.45

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P1-139 Efficacy of Robotic Swabbing to Monitor the Hygiene of Food-Contact Surfaces in the Poultry Industry

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P1-140 Quantifying the Effect of Loss of Temperature Control on Bacterial Viability During -80°C Storage

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P1-141 Exploratory Analysis of Phenotypic Microarrays to Elucidate Sublethal Stress Impact on *Salmonella enterica* Growth Kinetics

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P1-142 Microbial Diversity on Decline? Trends in *Listeria monocytogenes* from Food Sources

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P1-143 Assessing Optical Density as a Proxy for Viable Cell Counts in Foodborne Pathogens

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P1-144 Pathogenic *Campylobacter* spp. Circulating in Livestock and Wildlife in the California Central Coast Agricultural Region

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P1-145 Food-Contact Surface Type Shapes Multi-Species Biofilm Stability and *Listeria monocytogenes* Transfer Potential

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P1-146 Isolation of Antifungal-Resistant *Candida* from Vineyards Across Multiple Wine Grape Production Seasons

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P1-147 Genomic and Phenotypic Analysis of *Salmonella* Typhimurium Bacteriophage-Insensitive Mutants Selected by *Flagella* and O-Antigen Targeting Phages

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P1-148 Formation of the VBNC State in *Salmonella* Typhimurium Under Plasma-Activated Water Facilitated by Outer Membrane Protein PagC

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P1-149 Eco-Friendly Antifungal Agents from Plant Biowaste: Targeting *Fusarium oxysporum* and *Aspergillus fumigatus*

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P1-150 Inactivation of *Cronobacter sakazakii* During Reconstitution of Infant Cereals

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P1-151 Two Novel Real-Time PCR Assays for the Reliable and Fast Detection of *Listeria* from Various Food Matrices and Environmental Surfaces

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P1-152 Inactivation of *Salmonella enterica* and *Escherichia coli* O157:H7 on Mung Bean Sprouts Based on Pho Soup Broth Temperature

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P1-153 Quantification of PFAS in Food and Packaging by LC-MS/MS

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P1-154 Validation of a USDA-FSIS Multi-Analyte ICP-MS Method for Trace Metals in Meat, Poultry, Fish, and Processed Products

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P1-155 Targeted Determination of Zearalenone and Its Modified Forms in Commercial Foods Using Liquid Chromatography-Tandem Mass Spectrometry

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P1-156 Rapid Detection of Aflatoxins in Ground Maize Using a Handheld Multimode Spectroscopic Device

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P1-157 Occurrence Profiling of Thirty-Seven Parent and Modified Mycotoxins in South Korean Market Foods

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P1-158 Development of a Rapid and Simple Surface-Enhanced Raman Spectroscopy Method for Polystyrene Nanoplastics Quantification

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P1-159 Is Your Next Sip Safe? A Simple, Rapid Method for Measuring Volatile PFAS in Juices

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P1-160 Comprehensive Analysis of Multiple Mycotoxins in Wheat Products and Their Dietary Risk Assessment

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P1-161 Development and Comparison of Univariate, Multivariate, and Nonlinear Regression Models for Arsenic-Lead Peak Overlap Correction in Energy Dispersive X-Ray Fluorescence Spectroscopy

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P1-162 Strain-Dependent Variability in *Salmonella* Quantification from Ground Beef Matrices

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P1-163 SalSure Quant: Enrichment-Free *Salmonella* spp. Quantification and Detection of *Salmonella* Serotypes of Concern by a Novel, High Throughput, DNA Microarray

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P1-164 SalSure Detect, SalVac, and SeroX: Unenriched vs. Enriched AOAC Performance Test Method for the Detection of *Salmonella* spp. in Chicken Carcass

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P1-165 Quantitative Multiplex qPCR for Same-Day Detection and Quantification of *Salmonella* KPI Serovars in Poultry Matrices Using a Validated CO-to-CFU Algorithm

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P1-166 Advancing *Salmonella* Detection: Performance Evaluation of QRED Enrichment Media

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P1-167 Automated DNA Extraction Enhances *Salmonella* Quantification Across Diverse Food Matrices

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P1-168 Validation of Two Enzyme-Linked Fluorescent Immunoassay and Two Real-Time PCR Methods for Detecting *Listeria* spp. and *Listeria monocytogenes* in Environmental Aqueous Chilling Solutions

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P1-169 WITHDRAWN

P1-170 Performance of a Loop-Mediated Isothermal Amplification Method to Screen Most Probable Number Tubes for Enumeration of *Salmonella* in Poultry Matrices

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P1-171 High-Resolution Multiplex ddPCR for Quantitative Detection of *Salmonella* Serovars in Poultry Matrices

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- P1-172 Development of a PCR Assay for *Salmonella* Thompson**
Naana Duah, Author, Abstract Presenter, University of Ottawa, Ottawa, Ontario, Canada; Dele Ogunremi, Primary Author, Author, Submission Contact, Canadian Food Inspection Agency, Ottawa, Ontario, Canada
- P1-173 Rapid Pathogen Screening in Beef: 4-Hour Molecular Detection of *Salmonella* and STEC Using MicroTally Cloth Sampling with GENE-UP®**
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- P1-174 Prevalence of STEC Virulence Genes and Top-7 Serogroup Markers on Bovine Hides in Brazilian Beef Plants**
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- P1-175 Single-Step Enrichment Approach for Detection of *Salmonella* spp. and *Escherichia coli* O157:H7 in Bovine Offal**
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- P1-176 Assessment of Extended Sample Holding Time Impact for Mesophilic Bacteria Quantification in Beef Carcass**
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- P1-177 Independent Laboratory Evaluation of the EZ-Check *Salmonella* spp. Method for the Detection of *Salmonella* spp. in a Variety of Foods**
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- P1-178 Validation of New *Listeria* Lyophilized PCR Assays for Food and Environmental Testing**
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- P1-179 Independent Laboratory Evaluation of the EZ-Check *Listeria* spp. and *Listeria monocytogenes* Methods for the Detection of *Listeria* spp. and *Listeria monocytogenes* in a Broad Range of Foods and Selected Surfaces**
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- P1-180 Independent Laboratory Evaluation of the Solleris® *E. coli* Test for the Detection of *E. coli* in Select Foods**
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- P1-181 Harmonized Validation Study of a Novel Film-Based Method for Quantitative Determination of *Bacillus cereus* Group in a Broad Range of Foods and Animal Feed**
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- P1-182 WITHDRAWN**
- P1-183 Rapid Detection of *Salmonella* spp. Using the Loop-Mediated Isothermal Amplification (LAMP) Assay – Bioluminescent in Primary Production Boot Socks and Boot Socks with High Amounts of Lime Powder Collected from a Brazilian Center-West Region Farm**
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- P1-184 Automated Liquid Handling System Precision Transference Evaluation Through a Pathogen Molecular Detection Assay**
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- P1-185 WITHDRAWN**
- P1-186 Evaluation of Different DNA Concentration Techniques for *Salmonella* Detection and Quantification in Poultry Processing Matrices**
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- P1-187 Evaluation of Individual and Composite Microbial Sampling Schemes for Pathogen Control and Product Lotting in Secondary Processing of Poultry Products**
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- P1-188 Evaluation of Two Methods for Detecting *Salmonella* in Cocoa Matrices**
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- P1-189** **Evaluating a Chromogenic Agar Method for Environmental Detection of *Cronobacter* spp. in Infant Formula and Cereal Facilities**
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- P1-190** **Culture-Independent and Rapid *Salmonella* Detection in Poultry Rinsate Using Fiber-Optic Surface Enhanced Raman Spectroscopy**
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- P1-191** **Improving Recovery of *Salmonella* in Soil and Sediment**
Elizabeth Reed, Primary Author, Abstract Presenter, Submission Contact, USFDA-HFP, College Park, MD, USA; Anna Maounounen-Laasni, Author, USFDA-CFSAN, College Park, MD, USA; Kellie Burris, Author, USFDA, Raleigh, NC, USA; Christopher Duda, Author, USFDA, College Park, MD, USA; Hua Wang, Author, USFDA, College Park, MD, USA; Jie Zheng, Author, USFDA, College Park, MD, USA
- P1-192** **Characterization of a Novel *Salmonella* Bacteriophage for Food Safety Applications**
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- P1-193** **A Novel Checkpoint-Encoded Nanopore Detection of *Salmonella* Serovars**
Adheesha Bandara, Primary Author, Abstract Presenter, Food Science Program, University of Missouri, Columbia, MO, USA; Sally Chen, Author, University of Missouri, Columbia, MO, USA; Mahmoud Almasri, Author, University of Missouri, Columbia, MO, USA; Li-Qun Gu, Author, University of Missouri, Columbia, MO, USA; Azlin Mustapha, Author, Submission Contact, University of Missouri, Columbia, MO, USA
- P1-194** **Rapid Detection and Viability Assessment of *Salmonella* Enteritidis and *Salmonella* Typhimurium in Turkey Rinse Using Fiber-Optic SERS Sensor**
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- P1-195** **Performance Comparison of a Rapid Culture-Based Method and the Conventional ISO Method for Detection of *Salmonella* spp. in Egg-Containing Matrices**
Byunghoon Lee, Primary Author, Author, Hyundai Green Food, Yongin, Gyeonggi, Korea (the Republic of); YooJung Heo, Author, Abstract Presenter, Submission Contact, Neogen Korea, Yongin, Korea (the Republic of); Ji Hyun Park, Author, Neogen Korea, Yongin, Korea (the Republic of); Jinhwa Jeong, Author, Hyundai green food, Yong-in, Gyeonggi, Republic of Korea; Yune Min, Author, Hyundai Green Food, Yongin, Korea (the Republic of); Seong Il Kang, Author, Neogen Korea,

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- P1-196** **A Novel High-Resolution, Single-Tube PCR-NGS Assay for Comprehensive Detection, Genotyping, and Surveillance of 28 *Listeria* Serotypes**
Baback Gharizadeh, Primary Author, Abstract Presenter, Submission Contact, Chapter Diagnostics, Menlo Park, CA, USA; Tenzin Phuntsok, Author, Chapter Diagnostics, Menlo Park, CA, USA; Chunlin Wang, Author, Chapter Diagnostics, Menlo Park, CA, USA
- P1-197** **Novel *Listeria* spp. Detection Method for Effective Environmental Monitoring Program**
Lei Zhang, Primary Author, Abstract Presenter, Neogen Corporation, Lansing, MI, USA; Jessica Wood, Author, Neogen, Lansing, MI, USA; Esteban Valverde Bogentes, Author, Neogen, Lansing, MI, USA; Gabriela Lopez Velasco, Author, Neogen, Oakdale, MN, USA; Neil Percy, Author, Neogen, Oakdale, MN, USA; Greg Sittin, Author, Neogen, Lansing, MI, USA; Toni Bartling, Author, Neogen, Oakdale, MN, USA; Preetha Biswas, Submission Contact, Neogen Corporation, Lansing, MI, USA
- P1-198** **Impact of Sanitizer Residues on the Performance of *Listeria* Right Now™ Rapid Detection Assay**
Lei Zhang, Primary Author, Abstract Presenter, Neogen Corporation, Lansing, MI, USA; Jessica Wood, Author, Neogen, Lansing, MI, USA; Esteban Valverde Bogentes, Author, Neogen, Lansing, MI, USA; Preetha Biswas, Author, Submission Contact, Neogen Corporation, Lansing, MI, USA
- P1-199** **DNA Removal to Reduce False Positives in Food Molecular Testing**
Dean Leak, Primary Author, Submission Contact, Thermo Fisher Scientific, Basingstoke, Hampshire, UK; Jani Holopainen, Abstract Presenter, Thermo Fisher Scientific, Vantaa, Finland; David Crabtree, Author, Thermo Fisher Scientific, Basingstoke, Hampshire, UK; Samuel Griggs, Author, Thermo Fisher Scientific, Basingstoke, Hampshire, UK; Kimi Nurminen, Author, Thermo Fisher Scientific, Vantaa, Finland; Annette Hughes, Author, Thermo Fisher Scientific, Basingstoke, Hampshire, UK; Erin Slater, Author, Thermo Fisher Scientific, Basingstoke, Hampshire, UK; Bex Howe, Author, Thermo Fisher Scientific, Basingstoke, Hampshire, UK
- P1-200** **Fully Validated DNA-Removal Solution for *Cronobacter* and *Listeria* PCR Assays**
Guillaume Mesnard, Author, Laboratoire Microsept, Le Lion D'Angers, France; Francois Le Nestour, Author, Microsept, Le Lion D'Angers, France; Evangelos Vadoros, Primary Author, Submission Contact, Thermo Fisher Scientific, Basingstoke, Hampshire, UK; Rachael Trott, Author, Thermo Fisher Scientific, Basingstoke, Hampshire, UK; Jani Holopainen, Abstract Presenter, Thermo Fisher Scientific, Vantaa, Finland
- P1-201** **A Fully Automated tNGS Assay Can Provide Species-Level Resolution Detection of *Listeria* sensu stricto for Improved Root Cause Analysis of Contamination Events**
Madi Venkatesan, Author, Clear Labs, San Carlos, CA, USA; Andrew Lin, Author, Clear Labs, Inc., San Carlos, CA, USA; David Tran, Author, Clear Labs, San Carlos, CA, USA; Adam Allred, Author, Clear Labs, Inc., San Carlos, CA, USA; Justin Ng, Primary Author, Submission Contact, Clear Labs, Inc., San Carlos, CA, USA; Ramin Khaksar, Author, Abstract Presenter, Clear Labs, San Carlos, CA, USA
- P1-202** **Validation of the RapidChek *Listeria* NextDay PLUS Test System for Detection of *Listeria* spp. in Matrixes: Hot Dogs, Frozen Cooked Breaded Chicken, Ice Cream, Stainless Steel, Plastic, Rubber, and Painted Concrete Surfaces**
Verapaz Gonzalez, Primary Author, Abstract Presenter, Submission Contact, Romer Labs, Newark, DE, USA; Juliet Wachira, Author, Romer Labs, Newark, DE, USA; Gregory Juck, Author, Romer Labs, Newark, DE, USA; Meredith Sutzko, Author, Romer Labs, Newark, DE, USA; Mark Muldoon, Author, Romer Labs, Newark, DE, USA

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- P1-203** **Validation of Romer Labs RapidChek® *Listeria monocytogenes* NextDay™ Plus Test System for the Detection of *Listeria monocytogenes* on Select Food Matrixes and Environmental Surfaces**
Juliet Wachira, Primary Author, Abstract Presenter, Submission Contact, Romer Labs, Newark, DE, USA; Mark Muldoon, Author, Romer Labs, Newark, DE, USA; Verapaz Gonzalez, Author, Romer Labs, Newark, DE, USA; Meredith Sutzko, Author, Romer Labs, Newark, DE, USA
- P1-204** **Performance Evaluation of Easy Plate™ LS for Selective Detection of *Listeria* Species**
Mai Shimizu, Primary Author, Submission Contact, Kikkoman Corporation, Noda, Chiba, Japan; Takayuki Harada, Author, Abstract Presenter, Kikkoman Corporation, Noda, Chiba, Japan; Junya Ishikawa, Author, Kikkoman Corporation, Noda, Chiba, Japan; Saya Kimoto, Author, Kikkoman Corporation, Noda, Chiba, Japan; Takeo Suzuki, Author, Kikkoman Corporation, Noda-city, Chiba, JAPAN; Shizunobu Igimi, Author, Food Safety Research Center, Tokyo University of Agriculture, Setagaya-ku, Japan
- P1-205** **Evaluation of Assurance® GDS for *Listeria* spp. Tq II and Assurance® GDS for *Listeria monocytogenes* Tq II for Detection of *Listeria* Species and *Listeria monocytogenes* in Foods and Environmental Samples**
Adam Didier, Primary Author, Abstract Presenter, Submission Contact, MilliporeSigma, St. Louis, MO, USA; Carlos Leon-Velarde, Author, Agriculture and Food Laboratory, University of Guelph, Guelph, Ontario, Canada; Saleema Saleh-Lakha, Author, University of Guelph, Guelph, Ontario, Canada; Andrew Lienau, Author, MilliporeSigma, Bellevue, WA, USA
- P1-206** **Quantitative Detection of Viable *Escherichia coli* After Chlorine Exposure in Test Agricultural Water Using Propidium Monoazide qPCR and dPCR**
Zirui Ray Xiong, Primary Author, Abstract Presenter, Submission Contact, University of Delaware, Newark, Delaware, USA; Adib Adnan, Author, USDA-ARS, Beltsville, MD, USA; Cheryl East, Author, USDA-ARS, Beltsville, MD, USA; Kalmia Kniel, Author, University of Delaware, Newark, DE, USA; Vivian C.H. Wu, Author, USDA-ARS, Albany, CA, USA; Manan Sharma, Author, USDA/ARS, Beltsville, MD, USA
- P1-207** **Evaluation of bioMérieux's GENE-UP Pathogenic *E. coli* Assay for Detection of Top7 STEC in Australian Manufacturing Beef**
Glen Mellor, Primary Author, CSIRO Agriculture and Food, Brisbane, Queensland, Australia; Narelle Fegan, Author, CSIRO Agriculture and Food, Brisbane, Queensland, Australia; Lesley Duffy, Author, CSIRO Agriculture and Food, Brisbane, Queensland, Australia; Kate McMillan, Author, CSIRO Agriculture and Food, Brisbane, Queensland, Australia; Carlos Batista, Author, CSIRO Agriculture and Food, Brisbane, Queensland, Australia; Ian Jenson, Author, FIRST Management, North Parramatta, New South Wales, Australia; Robert Barlow, Author, Abstract Presenter, Submission Contact, CSIRO, Brisbane, Australia
- P1-208** **MagnaFlow Preliminary Results: In-Line Sampling for the Selective Capture of *E. coli* O157:H7 in Produce Wash Water**
Annie Iniya John Benedict Ashok, Abstract Presenter, Submission Contact, Drizzle Health, LLC, Baltimore, MD, USA; Christia Ellerman, Author, Drizzle Health, LLC, Baltimore, MD, USA; Digvijay Singh, Author, Drizzle Health, LLC, Baltimore, MD, USA; Bonolo Mathekga, Primary Author, Drizzle Health, LLC, Baltimore, MD, USA
- P1-209** **Detection of *E. coli* O80 and O80:H2 in Flour-Based Food Products**
Sophie Pierre, Primary Author, Abstract Presenter, Submission Contact, Bio-Rad, Marnes-la-Coquette, France; Adrienne Klijn, Author, Societe Des Produits Nestle SA, Lausanne, Switzerland; Benjamin Diep, Author, Nestle, Lausanne, France; Kristel Barbedette, Author, Bio-Rad, Marnes La Coquette, France; Céline Cadot, Author, Bio-Rad, Marnes-la-Coquette, France; Astrid Cariou, Author, ADRIA, Quimper, France
- P1-210** **Development of a Digital PCR Assay for the Detection of STEC in Environmental Samples**
Ai Kataoka, Primary Author, Abstract Presenter, Submission Contact, FDA-CFSAN, College Park, MD, USA; Jennifer Wolny, Author, FDA, College Park, MD, USA; Irene Nadine Tchagou, Author, USDA, College Park, MD, USA; Julie Ann Kase, Author,

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- P1-211** **mEHEC Enrichment Protocols to Detect STEC in Meat, Raw Milk, Dairy Products, and Environmental Samples**
Elodie Abbé, Primary Author, Submission Contact, MilliporeSigma, Molsheim, France; Lyssa Sakaley, Author, MilliporeSigma, Bellevue, WA, USA; Astrid Cariou, Author, ADRIA, Quimper, France; Florian Quero, Author, ADRIA Développement, Quimper, France; Cécile Bernez, Author, ADRIA, Quimper, France; Seto Ogunleye, Abstract Presenter, MilliporeSigma, Saint Louis, MO, USA
- P1-212** **Harmonization of USP General Chapters 62 and 2022 Methods for *Escherichia coli* Detection: A Comparative Validation Study**
Mollie Comella, Author, Abstract Presenter, Eurofins Microbiology Laboratories, Madison, WI, USA; Olive Kaiser, Author, Eurofins Microbiology Laboratories, Madison, WI, USA; Andrzej Benkowski, Primary Author, Submission Contact, Eurofins Microbiology Laboratories, Madison, WI, USA; Emily Schmitt, Author, Eurofins Microbiology Laboratories, Madison, WI, USA; Ethan King, Author, Eurofins Microbiology Laboratories, Madison, WI, USA; David Legan, Author, Eurofins Scientific Inc., Madison, WI, USA
- P1-213** **An Improved Method for Subtyping *Escherichia coli* O157:H7 Isolates Using Multiple-Locus Variable-Number Tandem Repeat Analysis (MLVA)**
Nicola Linton, Author, University of Guelph, Guelph, Ontario, Canada; Natalia Ivanova, Abstract Presenter, Submission Contact, University of Guelph, Agriculture and Food Laboratory, Guelph, Ontario, Canada; Shu Chen, Primary Author, University of Guelph, Agriculture & Food Laboratory, Guelph, Ontario, Canada
- P1-214** **Reducing the Number of Presumptive-Positive STEC Results in Beef Samples by the Inclusion of a Secondary Molecular Screen**
Erica Miller, Author, Eurofins Microbiology Laboratories, Louisville, KY, USA; David Legan, Author, Eurofins Scientific Inc., Madison, WI, USA; Christopher Crowe, Primary Author, Abstract Presenter, Submission Contact, Eurofins, Des Moines, IA, USA
- P1-215** **Evaluation of a Digital Droplet PCR Assay for the Confirmation of STEC in Produce and Beef**
Erica Miller, Author, Eurofins Microbiology Laboratories, Louisville, KY, USA; David Legan, Author, Eurofins Scientific Inc., Madison, WI, USA; Alex Tudor, Author, Bio-Rad, Colorado Springs, CO, USA; Colby Yardley, Author, Bio-Rad, Hercules, CA, USA; Christopher Crowe, Primary Author, Abstract Presenter, Submission Contact, Eurofins, Des Moines, IA, USA
- P1-216** **Addition of a Secondary Molecular Screen to Reduce the Number of Produce Samples Screening Positive for STEC and Requiring Confirmation**
Erica Miller, Author, Eurofins Microbiology Laboratories, Louisville, KY, USA; David Legan, Author, Eurofins Scientific Inc., Madison, WI, USA; Christopher Crowe, Primary Author, Abstract Presenter, Submission Contact, Eurofins, Des Moines, IA, USA
- P1-217** **A Rapid, Simple Paper-Based DNA Extraction and LAMP-Based Detection Platform for *Escherichia coli* O157:H7 on Inhibitor-Rich Strawberry Surfaces**
Jannatul Sumaiya Promee, Primary Author, Abstract Presenter, Submission Contact, University of Illinois Urbana-Champaign, Urbana, IL, USA; Emily Kight, Author, CFD Research Corporation, Huntsville, AL, USA; Pratik Banerjee, Author, University of Illinois Urbana-Champaign, Urbana, IL, USA
- P1-218** **Comparison of Two Broths for the Recovery of Shiga Toxin-Producing *E. coli* from 375ml of Spent Sprout Irrigation Water**
Irene Nadine Tchagou, Primary Author, Abstract Presenter, Submission Contact, USDA, College Park, MD, USA; Jose R Guzman, Author, USDA-HFP, College Park, MD, USA; Ai Kataoka, Author, USDA-CFSAN, College Park, MD, USA; Gopal Gopinath, Author, USDA, College Park, MD, USA; Rachel Binet, Author, USDA, College Park, MD, USA

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- P1-219** **Recovery of Shiga Toxin-Producing *Escherichia coli* is Impacted by Environmental Matrix**
Anne-Laure Moyne, Primary Author, Abstract Presenter, Submission Contact, University of California, Davis, CA, USA; Emily Durbin, Author, University of California Davis, Davis, CA, USA; Xiaonuo Long, Author, University of California Davis, Davis, CA, USA; Susan Leonard, Author, USDA, Laurel, MD, USA; Julie Ann Kase, Author, USDA/HFP, College Park, MD, USA; Jose R Guzman, Author, USDA-HFP, College Park, MD, USA; Qing Jin, Author, USDA, College Park, MD, USA; Linda J. Harris, Author, University of California-Davis, Davis, CA, USA
- P1-220** **A Novel Phage Amplification-qPCR Assay for Rapid Detection of *Escherichia coli* O157:H7**
Fnu Chenggeer, Primary Author, Author, Submission Contact, University of Missouri, Columbia, MO, USA; Azlin Mustapha, Abstract Presenter, University of Missouri, Columbia, MO, USA
- P1-221** **Development of an RPA-CRISPR/Cas12a-Based Molecular Platform for Detection of *Clostridium perfringens* in Meat Samples**
Tanushree Barua Gupta, Primary Author, Author, Abstract Presenter, Submission Contact, AgResearch, Palmerston North, New Zealand
- P1-222** **Rapid Detection and Genotyping of *Campylobacter* in Surface Water Using Targeted Amplicon Sequencing**
Kannan Balan, Primary Author, Abstract Presenter, Submission Contact, USDA - HFP, Laurel, MD, USA; Isha Patel, Author, USDA, Laurel, MD, USA; Mark Mammel, Author, USDA, Laurel, MD, USA; Hyein Jang, Author, USDA-HFP, Laurel, MD, USA; Lisa Harrison, Author, USDA, Laurel, MD, USA; Chunlin Wang, Author, Chapter Diagnostics, Menlo Park, CA, USA; Baback Gharizadeh, Author, Chapter Diagnostics, Menlo Park, CA, USA; Kelli Hiett, Author, USDA-HFP, Laurel, MD, USA
- P1-223** **Advances in Electrochemical Biosensing for Foodborne Enteric Virus Detection**
Dilmeet Kaur, Primary Author, Abstract Presenter, University of Georgia, Athens, GA, USA; Ramaraja Ramasamy, Author, Submission Contact, The University of Georgia, Athens, GA, USA
- P1-224** **Detection of Infectious Hepatitis A Virus in Agricultural Surface Water Using Dead-End Ultrafiltration and Cell Culture**
Christine Yu, Primary Author, Abstract Presenter, Submission Contact, USDA, Laurel, MD, USA; Michael Kulka, Author, USDA, Laurel, MD, USA
- P1-225** **Method Validation and Extension of Hepatitis and Norovirus in Vegetation Using Gene-Up and Ceeram Tools**
Sharlanda Khosravi, Primary Author, Abstract Presenter, Submission Contact, Defense Food Analysis and Diagnostic Laboratory, San Antonio, TX, USA; Bernardo Delgado, Author, Defense Food Analysis and Diagnostics Laboratory, San Antonio, TX, USA; Murtaza Mohammad, Author, Defense Food Analysis and Diagnostic Laboratory, San Antonio, TX, USA; Francisco Sanchez, Author, Defense Food Analysis and Diagnostic Laboratory, San Antonio, TX, USA; MAJ Robert Fathke, Author, Defense Food Analysis and Diagnostic Laboratory, San Antonio, TX, USA; Kelli Montanez, Author, Defense Food Analysis and Diagnostic Laboratory, San Antonio, TX, USA
- P1-226** **Rapid Screening and Enhanced Detection of Infectious Rotavirus in Food Matrices through Sample Pooling and ICC-qPCR**
Muzaffar Ali, Primary Author, Abstract Presenter, Submission Contact, Texas A&M University, College Station, TX, USA; Chandni Praveen, Author, Texas A&M University, College Station, TX, USA; Krishna Narayanan, Author, Texas A&M University, College Station, TX, USA; Suresh Pillai, Author, Texas A&M University, College Station, TX, USA
- P1-227** **Rational Engineering of an OmpG Nanopore Sensor Enhances Electro-Osmotic Flow and Sensitivity for Norovirus Detection**
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- P1-228** **Rapid Sample Preparation Protocol for the Detection of *Cronobacter sakazakii* in Powdered Infant Formula**
Leticia Mallmann, Primary Author, Author, Abstract Presenter, Submission Contact, Indiana University, Bloomington, IN, USA; Eduardo Ximenes, Author, Indiana University, Bloomington, IN, USA
- P1-229** **Reduction of Unconfirmable Positive PCR Results in Samples Relevant for Powdered Infant Formula Manufacture**
Rachael Trott, Author, Thermo Fisher Scientific, Basingstoke, Hampshire, UK; David Crabtree, Primary Author, Abstract Presenter, Submission Contact, Thermo Fisher Scientific, Basingstoke, Hampshire, UK; Dean Leak, Author, Thermo Fisher Scientific, Basingstoke, Hampshire, UK; Samuel Griggs, Author, Thermo Fisher Scientific, Basingstoke, Hampshire, UK; Kimi Nurminen, Author, Thermo Fisher Scientific, Vantaa, Finland
- P1-230** **Performance of a Multiplex PCR Assay for the Detection of Diverse Spoilage Organisms in Beverage Products**
Marian Teye, Primary Author, Submission Contact, Thermo Fisher Scientific, Vantaa, Finland; David Crabtree, Abstract Presenter, Thermo Fisher Scientific, Basingstoke, Hampshire, UK; Jutta Kasurinen, Author, Thermo Fisher Scientific, Vantaa, Finland; Tiina Raatikainen, Author, Thermo Fisher Scientific, Vantaa, Finland; Irene Rapti, Author, Thermo Fisher Scientific, Vantaa, Finland
- P1-231** **Development of an Immunoassay for the Rapid Detection of *Listeria monocytogenes* Using Newly Generated Monoclonal Antibodies**
Souichirou Kawai, Primary Author, Author, Abstract Presenter, Submission Contact, Toyo Institute of Food Technology, Kawanishi, Hyogo Prefecture, Japan
- P1-232** **AI-Driven Optical Microbiology for Rapid, Incubation-Free Microbial Analysis**
Maiwenn Lefebvre, Author, Spore.Bio, Paris, France; Alexandre Banon, Author, Spore.Bio, Paris, France; Apolline Vedrenne, Author, Spore.Bio, Paris, France; Thomas Bul, Author, Spore.Bio, Paris, France; Théo Chané, Author, Spore.Bio, Paris, France; Marine Pottier, Author, Spore.Bio, Paris, France; Alois de La Comble, Author, Spore.Bio, Paris, France; Rebecca Dlevart, Primary Author, Abstract Presenter, Submission Contact, Spore.Bio, Paris, France
- P1-233** **Artificial Intelligence-Assisted MALDI-TOF MS for Accurate Identification of the *Vibrio harveyi* Glade Relevant to Seafood Safety**
Seung-Min Yang, Primary Author, Abstract Presenter, Submission Contact, Gyeongkuk National University, Andong-si, Korea (the Republic of); Jaewook Kim, Author, Kyung Hee University, Gyeonggi-do, Korea (the Republic of); Hae-Yeong Kim, Author, Kyung Hee University, Gyeonggi-do, Korea (the Republic of); Eiseul Kim, Author, Gyeongkuk National University, Andong-si, Korea (the Republic of)
- P1-234** **Assessing Norovirus Infectivity: RNase Pretreatment Assay Versus Human Challenge Outcomes**
Milon Barmon, Primary Author, Abstract Presenter, Emory University, Atlanta, GA, USA; D. Kane Cooper, Author, Emory University, Atlanta, GA, USA; Julia Sobolik, Author, Emory University, Atlanta, GA, USA; Orlando Sablon III, Author, Emory University, Atlanta, GA, USA; Pengbo Liu, Author, Emory University, Atlanta, GA, USA; Kalmia Kniel, Author, University of Delaware, Newark, DE, USA; Santos Garcia, Author, Universidad Autonoma De Nuevo Leon, San Nicolas De Los Garza, NL, Mexico; Norma Heredia, Author, Universidad A. De Nuevo Leon, San Nicolas, NL, Mexico

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P1-235 **Beyond “All Positive”: The Role of Fractional Contamination Levels in Method Validation and Lot Testing**
Steffen Uhlig, Author, Abstract Presenter, QD Labs LP, Frankford, DE, USA; Ravinder Reddy, Primary Author, Submission Contact, USDA, Bedford Park, IL, USA; Karina Hettwer, Author, QuoData, Dresden, Germany; Bertrand Colson, Author, QuoData GmbH, Dresden, Germany; Kapil Nichani, Author, QuoData GmbH, Dresden, Germany; Anja Schlierf, Author, QuoData GmbH, Dresden, Germany; Kirstin Frost, Author, QuoData, Dresden, Germany; Emily Smith, Author, Cognizance Technologies - USDA, Bedford Park, IL, USA

P1-236 **Comparison of Short- and Long-Read ITS Sequencing for Fungal Detection and Interpretation in Environmental Monitoring**
Mengyi Dong, Primary Author, Abstract Presenter, Submission Contact, Virginia Tech, Hampton, VA, USA; Denene Blackwood, Author, University of North Carolina Chapel Hill, Morehead City, NC, USA; Megan Lott, Author, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA; Xavier Larkin, Person, University of North Carolina at Chapel Hill, Morehead City, NC, USA; Sherlynette Castro, Author, University of North Carolina at Chapel Hill, Morehead City, NC, USA; Thomas Clinkin, Author, University of North Carolina at Chapel Hill, Morehead City, NC, USA; Jake Nash, Author, Duke University, Durham, NC, USA; Yeon Ji Kim, Author, Duke University, Durham, NC, USA

P1-237 **Development of a Real-Time PCR Method Based on the Beta-Tubulin and Puberulic-Acid-Related Gene for the Specific Detection and Quantification of *Penicillium adametzioides*, a Puberulic Acid-Producing Fungus**
Hiroki Abe, Primary Author, Author, Abstract Presenter, Submission Contact, National Institute of Health Sciences, Kawasaki, Japan; Maiko Watanabe, Author, National Institute of Health Sciences, Kawasaki, Japan; Takahiro Ohnishi, Author, National Institute of Health Sciences, Kawasaki, Japan; Tomoya Yoshinari, Author, National Institute of Health Sciences, Kawasaki, Japan

P1-238 **Development of Test Methods to Assess the Biocidal Activity of Foam-Based Products**
Madeline Burgess, Primary Author, Abstract Presenter, Submission Contact, Sterilex, Hunt Valley, MD, USA; Kelly Ferguson, Author, Sterilex, Cockeysville, MD, USA; Sara Mindek, Author, Sterilex, Hunt Valley, MD, USA; Shelsea Hurdle, Author, Sterilex, Cockeysville, MD, USA; Shayon Brown, Author, Sterilex, Hunt Valley, MD, USA; Bruce Urtz, Author, Sterilex, Cockeysville, MD, USA

P1-239 **Domain-Adaptive Hyperspectral Microscopy for Classification of Major Foodborne Pathogens Across Illumination Conditions**
Gillian Kuehnle, Primary Author, Abstract Presenter, Submission Contact, Michigan State University, East Lansing, MI, USA; MeiLi Papa, Author, Michigan State University, East Lansing, MI, USA; Margaret Broderick, Author, Michigan State University, East Lansing, MI, USA; Bosoon Park, Author, USDA, Athens, GA, USA; Jiyoon Yi, Author, Michigan State University, East Lansing, MI, USA

P1-240 **Evaluating Digital PCR as a Culture-Independent Tool to Support Irrigation Water Microbial Assessments**
Brienna Anderson-Coughlin, Primary Author, Abstract Presenter, Submission Contact, University of Maryland, College Park, MD, USA; Emily Woerner, Author, University of Maryland, College Park, MD, USA; Hana Fisaha, Author, University of Maryland, College Park, MD, USA; Cameron Smith, Author, University of Maryland, College Park, MD, USA; Claire Barlow, Author, University of Maryland, College Park, MD, USA; Kathryn Dixon, Author, University of Maryland, College Park, MD, USA; Raisa Haq, Author, University of Maryland, College Park, MD, USA; Alexander Choiniere, Author, University of Maryland, College Park, MD, USA

P1-241 **Evaluation of InstaDose™ Gravimetric Dilutor for Highly Accurate Reconstitution of Concentrated Enrichment Media**
Bryan De Caux, Primary Author, Submission Contact, Thermo Fisher Scientific, Basingstoke, Hampshire, UK; David Crabtree, Author, Thermo Fisher Scientific, Basingstoke, Hampshire, UK; James Stringer, Author, Thermo Fisher Scientific, Basingstoke, Hampshire, UK; Jaakko McVey, Abstract Presenter, Thermo Fisher Scientific, Scoresby, Victoria, Australia; Aidan Doyle, Author, Thermo Fisher Scientific, Basingstoke, UK

P1-242 **Evaluation of Neogen™ Microbial Luminescence System (MLS) for Reduced Running Time Using a Modified Protocol in Rapid Sterility Testing of Plant-Based UHT Products**
Jedsadaporn Nuchaikaw, Primary Author, Abstract Presenter, Submission Contact, Neogen Asia (Thailand) Co., Ltd., Bangkok, Thailand; Saengrawee Jongvanich, Author, Neogen Asia (Thailand) Co., Ltd., Sathon, Bangkok, Thailand; Wanida Mukkana, Author, Neogen Asia (Thailand) Co., Ltd., Sathon, Bangkok, Thailand; Atthaphon Phukhao, Author, Neogen Asia (Thailand) Co., Ltd., Bangkok, Thailand; Phenbunya Boonyalekha, Author, Neogen Asia (Thailand) Co., Ltd., Sathon, Bangkok, Thailand; Suparak Nusuwan, Author, Neogen Asia (Thailand) Co., Ltd., Sathon, Bangkok, Thailand; Wannisa Kaewsang, Author, Heritage Laboratory International Co., Ltd., Samut Sakhon, Thailand; Wannisa Kaewsang, Author, Heritage Laboratory International Co., Ltd., Samut Sakhon, Thailand

P1-243 **Verification of Rapid Microbial Methods for Commercial Sterility of Dairy and Alternative Drink Products with Identification of Changes in Metabolic Activities from Heat-Resistant Spore-Forming Bacteria**
Jedsadaporn Nuchaikaw, Primary Author, Abstract Presenter, Submission Contact, Neogen Asia (Thailand) Co., Ltd., Bangkok, Thailand; Keerati Thamapan, Author, Neogen Asia (Thailand) Co., Ltd., Sathon, Bangkok, Thailand; Suparak Nusuwan, Author, Neogen Asia (Thailand) Co., Ltd., Sathon, Bangkok, Thailand; Saengrawee Jongvanich, Author, Neogen Asia (Thailand) Co., Ltd., Sathon, Bangkok, Thailand; Wanida Mukkana, Author, Neogen Asia (Thailand) Co., Ltd., Sathon, Bangkok, Thailand; Atthaphon Phukhao, Author, Neogen Asia (Thailand) Co., Ltd., Bangkok, Thailand; Phenbunya Boonyalekha, Author, Neogen Asia (Thailand) Co., Ltd., Sathon, Bangkok, Thailand; Apitatt Ninprasoet, Author, National Food Institute, Bangkok, Thailand

P1-244 **Evaluation of Rapid Automated pH Measurement Technology for Commercial Sterility Testing**
Julie Weller, Primary Author, Abstract Presenter, Submission Contact, Hygiene, New Castle, DE, USA; Micah Greenzweig, Author, Hygiene, Wilmington, DE, USA; Anne Roelfing, Author, Hygiene Diagnostics, Potsdam, Germany, Deutschland; Nate Banner, Author, Hygiene, Camarillo, CA, USA

P1-245 **Detection of *Listeria* from Ready-to-Eat Deli Ham Using the Hygiene BAX® System Real-Time PCR Assay**
Julie Weller, Primary Author, Abstract Presenter, Submission Contact, Hygiene, New Castle, DE, USA; Amy Erdman, Author, Hygiene, New Castle, DE, USA; Christine Chapman, Author, Hygiene, New Castle, DE, USA

P1-246 **Evaluation of Rapid Technology to Enumerate Yeast and Molds on Dairy-Based Fermented Matrices**
Flor Ortiz Martin, Primary Author, Abstract Presenter, Submission Contact, Neogen Latinoamerica, Churubusco, Mexico; Gustavo Gonzalez, Author, Neogen, Nacalpan, Mexico; Alondra Carrasco Martinez, Author, DEQSA Lab SA de CV, Querétaro, Querétaro, México; Nancy Sarai Montiel Peña, Author, DEQSA LAB S.A. DE C.V., Querétaro, Querétaro, México; Osiel Bacilio Aguilar Mar, Author, DEQSA Laboratories S.A. de C.V., Querétaro, Querétaro, México

P1-247 **ISO 16140-2 Validation of a Rapid Real-Time PCR Method for Detecting Enterobacteriaceae in Powdered Infant Foods and Ingredients**
Astrid Gariou, Primary Author, Abstract Presenter, Submission Contact, ADRIA, Quimper, France; Florian Quero, Author, ADRIA Développement, Quimper, France; Camille Barbier, Author, ADRIA, Quimper, France; Cécile Bernez, Author, ADRIA, Quimper, France; Sophie Pierre, Author, Bio-Rad, Marnes-la-Coquette, France; Yannick Bichot, Author, Bio-Rad Laboratories, Marnes La Coquette, France; Helen Fong, Author, Bio-Rad, Hercules, CA, USA

P1-248 **Optimization of DNA Extraction for Tuna Species Identification**
Haeun (Grace) Cho, Primary Author, Author, Abstract Presenter, Submission Contact, Chapman University, Orange, CA, USA

POSTER SESSIONS

- P1-249** **Tolerance of Food-Spoilage Molds to Single or Mixed Preservatives**
Marina Venturini Copetti, Primary Author, Abstract Presenter, Submission Contact, Federal University of Santa Maria (UFSM), Santa Maria, Rio Grande do Sul, Brazil; Carla Cervini, Author, Cranfield University, Cranfield, England; Carol Verheeeke-Vaessen, Author, Cranfield University, Cranfield, England; Angel Medina-Vaya, Author, Cranfield University, Cranfield, England; Naresh Magan (in memoriam), Author, Cranfield University, Cranfield, England
- P1-250** **Assessment of the Diversity of Fungi Spoiling Industrial Breads**
Luciane Viera Borges Gos, Author, University of Santa Maria, Santa Maria, Brazil; Pamela Oliveira Soares, Author, Federal University of Santa Maria, Santa Maria, Brazil; Juliana Copetti Fracari, Author, Federal University of Santa Maria, Santa Maria, Brazil; Angelica Olivier Bernardi, Author, Federal University of Santa Maria, Santa Maria, Brazil; Marina Venturini Copetti, Primary Author, Abstract Presenter, Submission Contact, Federal University of Santa Maria (UFSM), Santa Maria, Rio Grande do Sul, Brazil

TUESDAY, JULY 28

8:30 AM – 6:15 PM

Exhibit Hall

Poster Session 2

- Antimicrobials, Beverages and Acid/Acidified Foods, Food Defense, Food Fraud Prevention, Modeling and Risk Assessment, Plant-Based Alternative Foods, Pre-Harvest Food Safety, Produce, Viruses and Parasites, and Water
- P2-01 through P2-121 – Authors present 10:00 AM – 11:30 AM and 5:15 PM – 6:15 PM
P2-122 through P2-247 – Authors present 2:15 PM – 3:45 PM and 5:15 PM – 6:15 PM
- P2-001** **Plant-Based Meat Alternatives: An Evaluation of Potential *C. botulinum* Toxin Production and Metagenomic Survey**
Catherine Felice (Rolfe), Primary Author, Author, Abstract Presenter, Submission Contact, USFDA, Bedford Park, IL, USA; Travis Morrissey, Author, USFDA, Bedford Park, IL, USA; Viviana Aguilar, Author, Institute for Food Safety and Health, Bedford Park, IL, USA; Guy Skinner, Author, USFDA, Weaverville, NC, USA
- P2-002** **Authentication of Grass-Finished Beef Using Gene Profiling**
Chloe Castanon, Primary Author, Abstract Presenter, Submission Contact, Chapman University, San Jose, CA, USA; Juana Angeles-Diaz, Author, Chapman University, Orange, CA, USA; Rosalee Hellberg, Author, Chapman University, Orange, CA, USA; Lucas Krusinski, Author, California State Polytechnic University, Pomona, Pomona, CA, USA
- P2-003** **Comparison of DNA Barcoding Approaches to Identify Rockfish (*Sebastes* spp.) on the Commercial Market**
Celina Garcia, Primary Author, Abstract Presenter, Submission Contact, Chapman University, Orange, CA, USA; Izabella Contrera, Author, Citrus College, Glendora, CA, USA; Rosalee Hellberg, Author, Chapman University, Orange, CA, USA
- P2-004** **Rapid and Visual Detection of Pork Adulteration Using an Extraction-Free Toothpick-Assisted LAMP Assay**
Chen Chen, Primary Author, Abstract Presenter, Submission Contact, McGill University, Sainte-Anne-de-Bellevue, Quebec, Canada; Chao Ji, Author, Tianjin Normal University, Tianjin, China; Marti Z. Hua, Author, McGill University, STE-Anne-de-Bellevue, Quebec, Canada; Liangjuan Zhao, Author, Tianjin Normal University, Tianjin, China; Wenjie Zheng, Author, Tianjin Normal University, Tianjin, China; Xiaonan Lu, Author, McGill University, Sainte-Anne-de-Bellevue, Quebec, Canada
- P2-005** **Rapid rhPCR Assay for Authenticating Royal Red Shrimp in U.S. Seafood Markets**
Samuel Kwawukume, Primary Author, Abstract Presenter, Submission Contact, Florida State University, Tallahassee, FL, USA; Nethraja Kandula, Author, Florida State University, Tallahassee, FL, USA; Prashant Singh, Author, Florida State University, Tallahassee, FL, USA; Leqi Cui, Author, Florida State University, Tallahassee, FL, USA

- P2-006** **A Laboratory's Role: Bridging the Gap Between Food Safety and Food Defense in the Armed Services**
Sharlanda Khosravi, Primary Author, Author, Abstract Presenter, Submission Contact, Defense Food Analysis and Diagnostic Laboratory, San Antonio, TX, USA
- P2-007** **Agrobacterium-Mediated Genetic Transformation of Using Pathogenesis-Related Proteins for Resistance Against *Aspergillus flavus* in Peanuts**
Saima Shafique, Primary Author, Submission Contact, Kennesaw State University, Kennesaw, GA, USA; Premila Narayana Achar, Author, Abstract Presenter, Kennesaw State University, Kennesaw, GA, USA
- P2-008** **Antagonistic Activity of Lactic Acid Bacteria from Mexican Fermented Beverages Against Foodborne Pathogens**
Dalia Miranda-Castilleja, Primary Author, Abstract Presenter, Submission Contact, Universidad Autónoma de Querétaro, Querétaro, Mexico; Edson Hernández de la Cruz, Author, Universidad Autónoma de San Luis Potosí, Tamazunchale, México; Oscar Manuel Portilla Rivera, Author, Universidad Autónoma de San Luis Potosí, Tamazunchale, México; Sofia Arvizu-Medrano, Author, Universidad Autónoma De Querétaro, Querétaro, Mexico
- P2-009** **Applying Open Source Intelligence Methods to Verify Maritime Transport Compliance for Bulk Edible Oil Imports: A Framework Development Study**
Bethany Berry, Primary Author, Author, Abstract Presenter, Submission Contact, Nexus Food Defense, Baton Rouge, LA, USA
- P2-010** **Evaluation of *Clostridium botulinum* Neurotoxin Type B in Liquid Infant Formula Proficiency Testing Samples**
Shannon Kiener, Primary Author, Abstract Presenter, Submission Contact, USFDA, Bedford Park, IL, USA; Travis Morrissey, Author, USFDA, Bedford Park, IL, USA; Emily Smith, Author, Cognizance Technologies - USFDA, Bedford Park, IL, USA; Yuhuan Jin, Author, Illinois Tech-IFSH, Bedford Park, IL, USA; Matthew Kmet, Author, USFDA, Bedford Park, IL, USA; Robert Phillips, Author, USDA-FSIS, Athens, GA, USA; Christopher Waggner, Author, USFDA, Rockville, MD, USA; Lauren Yeoung, Author, FDA, Rockville, MD, USA
- P2-011** **Disinfection of Poultry Processing Wastewater Using Advanced Oxidation Processes**
Seth Adesope, Primary Author, Abstract Presenter, Submission Contact, University of Arkansas, Fayetteville, AR, USA; Nikolay Barashkov, Author, Micro-Tracers, Inc., San Francisco, CA, USA; Mark Carlson, Author, Micro-Tracers, Inc., San Francisco, CA, USA; Casey Owens, Author, University of Arkansas, Fayetteville, AR, USA; Tomi Obe, Author, University of Arkansas, Fayetteville, AR, USA
- P2-012** **Effectiveness of Consumer Water Purification Products in Reducing Waterborne Bacteria from Recreational Freshwater Sources**
Angela Walla, Primary Author, Author, Submission Contact, International Ctr. for Food Industry Excellence, Dept. of Animal and Food Science, Texas Tech University, Lubbock, TX, USA; Andre Shaw, Author, Abstract Presenter, Commander William C. McCool Academy, Lubbock, TX, USA
- P2-013** **Heat and Desiccation Resistance in Extraintestinal Pathogenic *Escherichia coli* (ExPEC)**
Ashley Chew, Primary Author, Abstract Presenter, Submission Contact, University of Alberta, Edmonton, Alberta, Canada; Norman Neumann, Author, University of Alberta, Edmonton, Alberta, Canada; Kanghee Ryu, Author, School of Public Health, University of Alberta, Edmonton, Alberta, Canada; Simon J.G. Otto, Author, University of Alberta, Edmonton, Alberta, Canada; Patrick Hanington, Author, University of Alberta, Edmonton, Alberta, Canada; Candis Scott, Author, University of Alberta, Edmonton, Alberta, Canada
- P2-014** **Integrating Microbial Indicators into Pathogen Wastewater Surveillance Systems of Different Population Sizes**
Adora Anthos, Abstract Presenter, University of Delaware, Newark, DE, USA; Gabriella Strocko, Author, University of Delaware, Newark, DE, USA; Kalmia Kniel, Primary Author, Author, Submission Contact, University of Delaware, Newark, DE, USA

POSTER SESSIONS

- P2-015** **Low-Voltage Locally Enhanced Electric Field Electroporation for Agricultural Water Disinfection**
Chandan Kafley, Primary Author, Abstract Presenter, University of California Riverside, Riverside, CA, USA; Ahmed El-Moghazy, Author, Submission Contact, University of California Riverside, Riverside, CA, USA
- P2-016** **Persistence and Genomic Diversity of *Salmonella* Newport in Waters Collected from the Eastern Shore of Virginia**
Diego A. Fredes-García, Primary Author, Abstract Presenter, Submission Contact, Virginia Tech, Blacksburg, VA, USA; Cyril Nsom Ayuk Etaka, Author, Virginia Polytechnic Institute and State University, Blacksburg, VA, USA; Laura Strawn, Author, Virginia Tech, Blacksburg, VA, USA; Rachel Cheng, Author, Virginia Tech, Blacksburg, VA, USA
- P2-017** **Prevalence and Abundance of Antimicrobial Resistance Genes in Global Freshwater Resources**
Jaber Ghorbani, Primary Author, Abstract Presenter, Submission Contact, University of Nebraska Lincoln, Lincoln, NE, USA; Bing Wang, Author, University of Nebraska Lincoln, Lincoln, NE, USA; Andrew Steven Ortiz Balsero, Author, University of Nebraska Lincoln, Lincoln, NE, USA; Michelle Soupir, Author, Dept. of Agricultural and Biosystems Engineering, Iowa State University, Ames, IA, USA; Shannon Bartelt-Hunt, Author, Dept. of Civil and Environmental Engineering, University of Nebraska-Lincoln, Lincoln, NE, USA; Adina Howe, Author, Department of Agricultural and Biosystems Engineering, Iowa State University, Ames, IA, USA; Amy Schmidt, Author, Biological System Engineering, University of Nebraska Lincoln, Lincoln, NE, USA; Xu Li, Author, Biological System Engineering, University of Nebraska at Lincoln, Lincoln, NE, USA
- P2-018** **Spatiotemporal Dynamics of Multidrug-Resistant (MDR) Enterobacteriales: Seasonality and Water Physicochemical Properties Drive High Third-Generation Cephalosporin Resistance in Central Chile**
Carlos Alejandro Zelaya Menjivar, Primary Author, Abstract Presenter, Submission Contact, Laboratorio Inocuidad de los alimentos, Facultad de ciencias de la vida, Universidad Andrés Bello, Colina, Región Metropolitana, Chile; Isabel Huentemilla, Author, Laboratorio de Inocuidad Alimentaria, Escuela de Medicina Veterinaria, Facultad de Ciencias de la Vida, Universidad Andres Bello, Santiago, Región Metropolitana, Chile; Natalia Pino, Author, Laboratorio de inocuidad alimentaria, Escuela de Medicina Veterinaria, Facultad de Ciencias de la Vida, Universidad Andres Bello, Santiago, Región Metropolitana, Chile; Ingrid Mercado, Author, Laboratorio de Inocuidad Alimentaria, Escuela de Medicina Veterinaria, Facultad de Ciencias de la Vida, Universidad Andres Bello, Santiago, Región Metropolitana, Chile; Fernando Dueñas, Author, Escuela de Medicina Veterinaria, Facultad de Ciencias Médicas, Universidad Bernardo O'Higgins, Santiago, Región Metropolitana, Chile; Matías Salinas, Author, Laboratorio de inocuidad alimentaria, Escuela de Medicina Veterinaria, Facultad de Ciencias de la Vida, Universidad Andres Bello, Santiago, Región Metropolitana, Chile; Sebastian Wolter-Salas, Author, Universidad Andres Bello, Santiago, Región Metropolitana, Chile; Nicolás Galarce, Author, Universidad de Chile, Santiago, Región Metropolitana, Chile
- P2-019** **Aggregation Behavior of Tulane Virus, a Human Norovirus Surrogate, Under Various Ionic Conditions: Implications for Thermal Tolerance**
Razieh Sadat Mirmahdi, Primary Author, Abstract Presenter, University of Florida, Gainesville, FL, USA; Ananya Pradhan, Author, University of Florida, Gainesville, FL, USA; Kelani Saez Montoya, Author, University of Florida, Gainesville, FL, USA; Alireza Abbaspourrad, Author, Cornell University, Ithaca, NY, USA; Razieh Farzad, Author, University of Florida, Gainesville, FL, USA; Andrew MacIntosh, Author, University of Florida, Gainesville, FL, USA; Arie Havelaar, Author, University of Florida, Gainesville, FL, USA; Naim Montazeri, Author, Submission Contact, University of Florida, Gainesville, FL, USA
- P2-020** **Antiviral Activity of Natural Compound-Based Sanitizers Against Murine Norovirus in Aluminum Surface Model**
Ana Paola De la Rosa Constante, Primary Author, Abstract Presenter, Universidad Autónoma de Nuevo Leon, San Nicolas de los Garza, Nuevo Leon, Mexico; David Garcia Morales, Author, Universidad Autonoma de Nuevo Leon,

San Nicolas de los Garza, Nuevo Leon, Mexico; Axel Ossio, Author, Universidad Autonoma de Nuevo Leon, San Nicolas de los Garza, Nuevo Leon, Mexico; Brenda Cerino, Author, Universidad Autonoma de Nuevo Leon, San Nicolas de los Garza, Nuevo Leon, Mexico; Angel Merino, Author, Facultad De Ciencias Biológicas, UANL, San Nicolas De Los Garza, Mexico; Eduardo Franco-Frias, Author, Submission Contact, UANL, San Nicolas De Los Garza, Nuevo Leon, Mexico; Santos Garcia, Author, Universidad Autonoma De Nuevo Leon, San Nicolas De Los Garza, NL, Mexico; Norma Heredia, Author, Universidad A. De Nuevo Leon, San Nicolas, NL, Mexico

- P2-021** **Application of Diverse Metal-Based Deep Eutectic Solvent Formulations for Norovirus Concentration and Improved Detection**
Katherine Woo, Primary Author, Abstract Presenter, Submission Contact, University of Massachusetts, Amherst, Amherst, MA, USA; Maria Dugan, Author, Iowa State University, Ames, IA, USA; Jared Anderson, Author, Iowa State University, Ames, IA, USA; Byron Brehm-Stecher, Author, Iowa State University, Ames, IA, USA; Matthew Moore, Author, University of Massachusetts Amherst, Amherst, MA, USA
- P2-022** **WITHDRAWN**
- P2-023** **Efficacy of Curcumin and Quercetin as Natural Photosensitizers for Photoinactivation of the Norovirus Surrogate MS2 in Parsley**
Edson Douglas Silva Pontes, Author, Federal University of Paraíba, João Pessoa, Paraíba, Brazil; Jilin Jung, Author, Gyeongsang National University, Jinju, Gyeongnam, Korea (the Republic of); Donald Schaffner, Author, Rutgers University, New Brunswick, NJ, USA; Marciane Magnani, Primary Author, Abstract Presenter, Submission Contact, Federal University of Paraíba, Joao Possoa, Paraíba, Brazil
- P2-024** **Green Tea Alginate Edible Coating Reduces Foodborne Pathogen Concentration on White Mushroom (*Agaricus bisporus*)**
Jade Morais Alves, Author, Federal University of Paraíba, João Pessoa, Paraíba, Brazil; Bruna Heloiza Gomes da Silva, Author, Federal University of Paraíba, João Pessoa, Paraíba, Brazil; Jilin Jung, Author, Gyeongsang National University, Jinju, Gyeongnam, Korea (the Republic of); André Ulysses Dantas Batista, Author, Federal University of Paraíba, João Pessoa, Paraíba, Brazil; Donald Schaffner, Author, Rutgers University, New Brunswick, NJ, USA; Marciane Magnani, Primary Author, Abstract Presenter, Submission Contact, Federal University of Paraíba, Joao Possoa, Paraíba, Brazil
- P2-025** **Enteric Virus Persistence in the Colon: Effects of an Intact and Antibiotic-Perturbed Microbiota**
Rosie Beaulieu, Primary Author, Abstract Presenter, Submission Contact, Université Laval, Québec City, Quebec, Canada; Amal Mamjoud, Author, Laval University, Québec City, Quebec, Canada; Éric Jubinville, Author, Laval University, Québec, Canada; Valérie Goulet Beaulieu, Author, Laval University, Québec City, Quebec, Canada; Ismail Fliss, Author, Laval University, Québec City, Quebec, Canada; Julie Jean, Author, Université Laval, Québec City, Quebec, Canada
- P2-026** **Evaluating Zebrafish Embryo and Larva Models for Human Norovirus GII.4 and GII.17: Infectivity Thresholds and Serial Passaging Performance**
Charlène Plénier, Primary Author, Abstract Presenter, Submission Contact, Université Laval, Québec, Québec, Canada; Valérie Goulet Beaulieu, Author, Laval University, Québec City, Quebec, Canada; Éric Jubinville, Author, Laval University, Québec, Canada; Paul De Koninck, Author, CERVO Brain Research Centre, Université Laval, Québec, Québec, Canada; Julie Jean, Author, Université Laval, Québec City, Quebec, Canada
- P2-027** **Evaluation of Pre-Treatment and Dehydration Efficacy for MS2 Inactivation in Microgreens**
Birata Mainali, Primary Author, Abstract Presenter, Submission Contact, University of Arkansas, Fayetteville, AR, USA; Kristen Gibson, Author, University of Arkansas, Fayetteville, AR, USA

POSTER SESSIONS

P2-028 Evaluation of Standard 50 mL Centrifuge Tubes to Replace Conical Bottles in the Concentration Step of the FDA BAM Chapter 19c

John Grocholl, Primary Author, Abstract Presenter, Submission Contact, USFDA, HFP, Laurel, MD, USA; Laura Ewing-Peeples, Author, USFDA, Laurel, MD, USA; Mauricio Durigan, Author, USFDA, Laurel, MD, USA

P2-029 Feline Calicivirus and Tulane Virus Inactivation on Surfaces by Ultraviolet Light Emitting Diode Systems

Doris D'Souza, Primary Author, Submission Contact, University of Tennessee Knoxville, Knoxville, TN, USA; Elena Jerkovic, Abstract Presenter, University of Tennessee, Knoxville, TN, USA; Ankit Patras, Author, Tennessee State University, Nashville, TN, USA

P2-030 Hepatitis A Virus Detection Using a Novel CRISPR-Cas13a and RNase-Pretreatment-Based Method

Carolina Ortiz Murillo, Author, Abstract Presenter, Universidad Autónoma De Nuevo León, Apodaca, Mexico; Itzel Florido, Author, Facultad de Ciencias Biológicas, UANL, San Nicolás de los Garza, Nuevo León, Mexico; Elvia Yáñez, Author, LABGEM, Facultad De Ciencias Biológicas, Universidad Autónoma De Nuevo León, Apodaca, Mexico; Axel Ossio, Author, Universidad Autonoma de Nuevo Leon, San Nicolas de los Garza, Nuevo León, Mexico; Mathilde Trudel-Ferland, Author, University of Delaware, Newark, DE, USA; Angel Merino, Primary Author, Submission Contact, Facultad De Ciencias Biológicas, UANL, San Nicolas De Los Garza, Mexico; Juan Leon, Author, Emory University, Atlanta, GA, USA; Kalmia Kniel, Author, University of Delaware, Newark, DE, USA

P2-031 Novel CRISPR-Cas13a-Based RNA Detection Assay for Hepatitis A Virus: Inter-Laboratory Validation in Agricultural Water and Frozen Strawberries

Mathilde Trudel-Ferland, Primary Author, Abstract Presenter, Submission Contact, University of Delaware, Newark, Delaware, USA; Axel Ossio, Author, Universidad Autonoma de Nuevo Leon, San Nicolas de los Garza, Nuevo León, Mexico; Brenna DeRoocili, Author, University of DE, Newark, DE, USA; Angel Merino, Author, Facultad De Ciencias Biológicas, UANL, San Nicolas De Los Garza, Mexico; Norma Heredia, Author, Universidad A. De Nuevo Leon, San Nicolas, NL, Mexico; Santos Garcia, Author, Universidad Autonoma De Nuevo Leon, San Nicolas De Los Garza, NL, Mexico; Juan Leon, Author, Emory University, Atlanta, GA, USA; Kalmia Kniel, Author, University of Delaware, Newark, DE, USA

P2-032 Liquid Nitrogen Pretreatment as a Strategy to Reduce *Listeria monocytogenes* on Frozen Berries

Mathilde Trudel-Ferland, Primary Author, Abstract Presenter, Submission Contact, University of Delaware, Newark, DE, USA; Gabriella Strocko, Author, University of Delaware, Newark, DE, USA; Hannah Coyne, Author, University of Delaware, Newark, DE, USA; Kalmia Kniel, Author, University of Delaware, Newark, DE, USA

P2-033 Optimization of Two-Stage Culture Conditions for High-Titer Production of a *Listeria monocytogenes*-Specific Phage

Jeongah Yun, Primary Author, Abstract Presenter, Submission Contact, Kyungpook National University, Daegu, Korea (the Republic of); Tae-Eun Jeong, Author, Kyungpook National University, Daegu, Republic of Korea; Han-jin Bae, Author, Kyungpook national university/foodbiotechnology, Daegu, Korea (the Republic of); Mi-Kyung Park, Author, Kyungpook National University, Daegu, Korea (the Republic of)

P2-034 Persistence of Human Norovirus and Its Surrogates in Vomitus Deposited on Polyester

Mariya Julien, Primary Author, Abstract Presenter, Submission Contact, Université Laval, Quebec City, Quebec, Canada; Albane Le Couteulx, Author, Laval University, Québec City, Quebec, Canada; Éric Jubinville, Author, Laval University, Québec, Canada; Valérie Goulet Beaulieu, Author, Laval University, Québec City, Quebec, Canada; Julie Jean, Author, Université Laval, Quebec City, Quebec, Canada

P2-035 Persistence of Viruses on Food Contact Surfaces Relevant to Produce Packinghouses

Francis Torko, Primary Author, Abstract Presenter, University of Arkansas, Fayetteville, AR, USA; Hanyi Shi, Author, Dept. of Food Science, Center for Food Safety, University of Arkansas System Division of Agriculture, Fayetteville, AR, USA; Md. Ashrafudoulla, Author, University of Arkansas, Fayetteville, Arkansas, USA; Kristen Gibson, Author, Submission Contact, University of Arkansas, Fayetteville, AR, USA

P2-036 Sequencing and Characterization of Norovirus in IQF-Imported Oysters Associated with a 2025 Outbreak

Rachel Hazen, Primary Author, Abstract Presenter, Submission Contact, USFDA Gulf Coast Seafood Laboratory, Dauphin Island, AL, USA; Lauren May, Author, FDA, Bothell, WA, USA; Jea Shin, Author, USFDA, Bothell, WA, USA; Jacquellina Woods, Author, USFDA Gulf Coast, Dauphin Island, AL, USA

P2-037 Synergistic Antiviral Properties of Carvacrol Formulations with Surfactants Against MS2 Bacteriophage, a Human Norovirus Surrogate

Julia Fukuba, Primary Author, Abstract Presenter, Submission Contact, University of Massachusetts Amherst, Amherst, MA, USA; Hao-Yuan Hsu, Author, Amphastar Pharmaceuticals, Inc., Canton, MA, USA; Kalyani Rojan, Author, University of Massachusetts Amherst, Amherst, MA, USA; Matthew Moore, Author, University of Massachusetts Amherst, Amherst, MA, USA

P2-038 WITHDRAWN

P2-039 Verification and Proficiency Testing of BAM Chapter 19b for Detection of *Cyclospora cayetanensis* in Spinach

Robert Newkirk, Abstract Presenter, USFDA, Bedford Park, IL, USA; Jodie Ulaszek, Author, Illinois Institute of Technology, Institute for Food Safety and Health, Bedford Park, IL, USA; Sonia Almeria, Author, USFDA, Laurel, MD, USA; Matthew Kmet, Author, USFDA, Bedford Park, IL, USA; Yuhuan Jin, Author, Illinois Institute of Technology, Bedford Park, IL, USA; Emily Smith, Author, Cognizance Technologies - USFDA, Bedford Park, IL, USA; Kirsten Hirneisen, Author, USFDA, College Park, MD, USA; Lauren V Yeung, Author, USFDA, Rockville, MD, USA

P2-040 Virucidal Activity of Copper and Copper-Zinc Alloys Against Tulane Virus

Geun Woo Park, Primary Author, Abstract Presenter, Submission Contact, CDC, Atlanta, GA, USA; Boris Relja, Author, Cherokee Nation Assurance, Atlanta, GA, USA; Kimberly Huynh, Author, CDC, Atlanta, GA, USA; Jan Vinjé, Author, CDC, Atlanta, GA, USA; Preeti Chhabra, Author, USCDC, Atlanta, GA, USA

P2-041 A Comparison of Caffeine in Coffee, Energy Drinks, and Energy Shots

Eric Boring, Primary Author, Abstract Presenter, Submission Contact, Consumer Reports, Yonkers, NY, USA; Tunde Akinleye, Author, Consumer Reports, Yonkers, NY, USA; Sana Mujahid, Author, Consumer Reports, Yonkers, NY, USA; James Rogers, Author, Consumer Reports, Yonkers, NY, USA

P2-042 Antibacterial Activity of Fresh and Processed Red Muscadine Juice and the Role of Their Polar Compounds on *Escherichia coli* O157:H7

Taejo Kim, Primary Author, Abstract Presenter, Submission Contact, University of Wisconsin Stout, Menomonie, WI, USA; Juan Silva, Author, Mississippi State University, Starkville, MS, USA

P2-043 Antimicrobial Effects of Roasting and Brewing on *Bacillus cereus*, *Clostridium botulinum*, and *Listeria monocytogenes* in Ready-to-Drink Coffee Made with Arabica Beans

Jason Knuckey, Primary Author, Abstract Presenter, Submission Contact, UW-Madison, Food Research Institute- Applied Food Safety Laboratory, Madison, WI, USA; Kristin Schill, Author, Food Research Institute/University of Wisconsin-Madison, Madison, WI, USA; Jakob Gryniowski, Author, FRI, Madison, WI, USA

POSTER SESSIONS

P2-044 Biomass-Derived Multipurpose Photoluminescent Carbon Quantum Dots for Preservation and Smart Quality Monitoring of Juice

Rowaida Khalil, Primary Author, Abstract Presenter, Submission Contact, Faculty of Science, Alexandria University, Alexandria, Egypt; Khadija Mustafa, Author, Alexandria University, Alexandria, Egypt

P2-045 Comparative Study on Enumeration Media for *Alicyclobacillus* spp. in Apple Juice

Jeffrey Xue, Primary Author, Abstract Presenter, Submission Contact, Cornell University, Ithaca, NY, USA; Joseph DeFrancesco IV, Author, Cornell University, Ithaca, NY, USA; Ava Maduro, Author, Cornell University, Ithaca, NY, USA; Ashley Choi, Author, Cornell University, Ithaca, NY, USA; Tiffany Situ, Author, Cornell University, Ithaca, NY, USA; Abigail B. Snyder, Author, Cornell University, Ithaca, NY, USA; Rory Wang, Author, University of Florida, Lake Alfred, FL, USA; Randy Worobo, Author, Cornell University, Geneva, NY, USA

P2-046 Do Physicochemical Properties of High Acid Green Juice Affect HPP Pathogen Inactivation Efficacy?

Philip Strange, Author, Agriculture and Agri-Food Canada, Guelph, Ontario, Canada; Lindsey Clairmont, Author, Agriculture and Agri-Food Canada, Guelph, Ontario, Canada; Mario Gonzalez Angulo, Author, Hiperbaric High-Pressure Technologies, Burgos, Spain; Daniela Soto, Author, Hiperbaric High-Pressure Technologies, Miami, FL, USA; Sampathkumar Balamurugan, Primary Author, Author, Abstract Presenter, Submission Contact, AAFC - Agriculture and Agri-Food Canada, Guelph, Ontario, Canada

P2-047 Effects of Combinatorial Hurdles on a Non-Alcoholic Beer Matrix Challenged with *Salmonella* serovar Javiana, *Escherichia coli*, *Listeria monocytogenes*, *Pseudomonas aeruginosa*, and *Bacillus cereus*

Andrew Maust, Primary Author, Abstract Presenter, Submission Contact, University of Arkansas, Fayetteville, AR, USA; Karina Desiree, Author, University of Arkansas, Fayetteville, AR, USA; Peter Rubinelli, Author, University of Arkansas, Fayetteville, AR, USA; Jennifer Acuff, Author, University of Arkansas, Fayetteville, AR, USA; Scott Lafontaine, Author, University of Arkansas, Fayetteville, AR, USA

P2-048 Evaluation of GENE-UP® PRO Lyco for Detecting Spoilage Organisms, *Oenococcus oeni*, *Levilactobacillus brevis* and *Zygosaccharomyces parabailii*, in Ketchup

Jada Jackson, Primary Author, Abstract Presenter, Submission Contact, bioMerieux, Hazelwood, MO, USA; Nikki Taylor, Author, bioMerieux, Inc., Hazelwood, MO, USA; Samoa Asigau, Author, bioMerieux, Inc., Hazelwood, MO, USA; John Mills, Author, BioMerieux, Inc., Fenton, MO, USA; Estefania Novoa Rama, Author, bioMerieux, Philadelphia, PA, USA; Vikrant Dutta, Author, bioMerieux Inc., Hazelwood, MO, USA; Marie Bugarel, Author, bioMerieux, Philadelphia, PA, USA; Sammy Bor, Author, bioMerieux, Philadelphia, PA, USA

P2-049 Strengthening Produce Safety with STEC Pathogenicity Testing

Deborah Briese, Primary Author, Submission Contact, bioMerieux Inc, Hazelwood, MO, USA; Jada Jackson, Author, Abstract Presenter, bioMerieux, Hazelwood, MO, USA

P2-050 Evaluation of Natural Preservative Efficacy Against Yeast and Mold in a Model Beverage System at pH 3.8

Fei Wang, Primary Author, Abstract Presenter, Submission Contact, Eurofins, Fresno, CA, USA; Martha Kimber, Author, Eurofins, Livermore, CA, USA; Shirin Abd, Author, Eurofins, Des Moines, IA, USA; Anne Nillo, Author, Eurofins, Fresno, CA, USA; Cecilia Garcia, Author, Eurofins, Fresno, CA, USA

P2-051 Growth Inhibition of *Alicyclobacillus acidoterrestris* in Acidic Beverages by Sucrose Fatty Acid Esters

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P2-052 Risk Assessment of Spoilage Caused by Thermophilic Spore-Forming Bacteria During Summer Storage of Ready-to-Drink Beverage in Warehouses and Possible Spoilage Prevention Using Sucrose Fatty Acid Esters

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P2-053 Antimicrobial Efficacy of Vinegar-Fermentate and Natural Flavor System Against Foodborne Pathogens

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P2-054 Validation of a Clean-Label Antimicrobial Hurdle for Pathogen Control in a Low-pH Carbonated-Beverage Base

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P2-055 Antimicrobial Efficacy of Natural Flavor Against Spoilage Microorganisms in Fruit-Based Concentrates

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P2-056 Identification and Isolation of Dominant Spoilage Microbes in Conventional Dark Leafy Green Vegetable Juice During Refrigeration Storage

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P2-057 Investigation of the Fermentation Process to Reduce Furanocoumarins and Analyze Functional Compounds in Pomelo (*Citrus grandis* Osbeck) Vinegar

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P2-058 Low-Energy Pasteurization of Coconut Water and Almond Milk Based on a Synergistic Combination of Mild Heat and Ethyl Lauroyl Arginate (LAE)

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P2-059 Microbiological and Physico-Chemical Dynamics of Black Tea Kombucha Fermentation and the Survival of *Salmonella* Enteritidis

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POSTER SESSIONS

- P2-060** **Neutralizing Effect of Natural Antioxidants Present in Coffee on the Production of Ochratoxin A-Induced Reactive Oxygen Species (ROS)**
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- P2-061** **Optimization of Sterilization Conditions for Tea- or Milk-Based, Ready-to-Drink Cocktails with Low Alcohol Contents**
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- P2-062** **Optimization of Time and Temperature of Hot Water Treatment as a Kill Step to Inactivate *Enterococcus faecium* from Various Citrus Fruit Surfaces**
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- P2-063** **Rapid and Reliable Detection and Differentiation of Guaiacol- and Non-Guaiacol-Producing *Allicyclobacillus* in Fructose by foodproof® Real-Time PCR**
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- P2-064** **Screening Method for Wine Samples to Distinguish Between Living and Dead Yeasts Using the ATP Bioluminescence Hygiena® Innovate™ System**
Anne Roelfing, Primary Author, Abstract Presenter, Submission Contact, Hygiena Diagnostics, Potsdam, Germany, Deutschland; Rumeysa Göcen, Author, Hygiena-Diagnostics GmbH, Potsdam, Deutschland
- P2-065** **Rapid Detection of Microorganisms in Human Milk Fortifier Using Hygiena's ATP-Based Innovate™ Microbial Screening System**
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- P2-066** **The Potential Use of Garlic Oil as a Natural Antimicrobial to Control Spoilage Yeast Growth in Refrigerated Pickle Products**
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- P2-067** **Bayesian Hierarchical Meta-Analysis of Viral Thermal Inactivation Across Food Matrices**
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- P2-068** **Challenge Testing to Determine Growth of *Listeria monocytogenes* on Fresh Specialty Mushrooms (Oyster, King Oyster and Beech) at 4°C and 10°C Storage Temperatures**
Jacqueline Upham, Primary Author, Author, Abstract Presenter, Submission Contact, Canadian Food Inspection Agency, Dartmouth, Nova Scotia, Canada

- P2-069** **Integrated Microbial Risk and Sustainability Assessment of Dried Apple Production on Human Health**
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- P2-070** **Cross-Institutional Validation of *Salmonella* Inactivation Models for Apple Drying**
Narindra Randriamiarintsoa, Primary Author, Abstract Presenter, Submission Contact, Michigan State University, East Lansing, MI, USA; Xiyang Liu, Author, Institute of Food Safety and Health, Bedford Park, IL, USA; Ian Hildebrandt, Author, Michigan State University, East Lansing, MI, USA; Elizabeth Grasso-Kelley, Author, USDA, Darien, IL, USA; Nathan Anderson, Author, USDA, Bedford Park, IL, USA; Bradley Marks, Author, Michigan State University, East Lansing, MI, USA
- P2-071** **Developing a Predictive Modeling Framework to Quantify the Efficacy of PAA Against *Salmonella* Based on Different Biological Environmental Factors**
Marco Reina, Primary Author, Abstract Presenter, Submission Contact, University of Georgia, Athens, GA, USA; Aaron Bodie, Author, University of Georgia, Athens, GA, USA
- P2-072** **Does Virulence Predict Gastrointestinal Survival? Linking Genomic and Machine Learning-Based *Salmonella* Virulence Classifications to Pathogen Behavior Across the Gastrointestinal Tract**
Santiago García Huerta, Primary Author, Abstract Presenter, Submission Contact, Universidad Autónoma de Querétaro, Querétaro, México; Adrián Gómez Baltazar, Author, Universidad Autónoma de Querétaro, Querétaro, México; Montserrat Hernández Iturrriaga, Author, Universidad Autónoma de Querétaro, Querétaro, México; Angélica Godínez Oviedo, Author, Universidad Autónoma de Querétaro, Querétaro, México
- P2-073** **Evaluation of a Custom GPT for Consumer Food Safety Guidance**
Chenhao Qian, Primary Author, Abstract Presenter, Submission Contact, Cornell University, Ithaca, NY, USA; Martin Wiedmann, Author, Cornell University, Ithaca, NY, USA
- P2-074** **Evaluation of the Survival of *Salmonella enterica* on Avocado During Simulated Gastric Conditions**
Karen Barón, Primary Author, Abstract Presenter, Submission Contact, Universidad Autónoma de Querétaro, Santiago de Querétaro, Querétaro, México; Montserrat Hernández-Iturrriaga, Author, Universidad Autónoma de Querétaro, Santiago de Querétaro, Querétaro, México; Angélica Godínez Oviedo, Author, Universidad Autónoma de Querétaro, Querétaro, México
- P2-075** **Leveraging AI for Food Safety: A Systematic Review**
Maryam Oluwafunmilayo Ajasa, Primary Author, Author, Abstract Presenter, Submission Contact, Iowa State University, Ames, IA, USA; Susan Arendt, Author, Iowa State University, Ames, IA, USA
- P2-076** **Microbial Safety Assessment of Fresh Rice Noodles: Effects of Storage Temperature on Pathogen Growth and Toxin Production**
Barakatullah Mohammadi, Primary Author, Abstract Presenter, Submission Contact, Washington State University, Pullman, WA, USA; Sherine Ortiz, Author, Washington State University, Pullman, WA, USA; Stephanie Smith, Author, Washington State University, Pullman, WA, USA

POSTER SESSIONS

P2-077 **One Size Does Not Fit All: Simulation of Pre-Harvest Testing Strategies for Uniform and Clustered Pathogen Contamination of Leafy Greens**

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P2-078 **Predictive Model for *Bacillus cereus* Growth from Spores in a Combined Rice-Beef-Vegetables Product: One-Step Kinetic Analysis**

Vijay Juneja, Primary Author, Abstract Presenter, Submission Contact, USDA-ARS-ERRC, Wyndmoor, PA, USA; **Marangeli Osoria**, Author, USDA-ARS, Wyndmoor, PA, USA; **Samet Ozturk**, Author, USDA, Wyndmoor, PA, USA; **Daniela Bermudez-Aguirre**, Author, USDA-ARS-ERRC, Wyndmoor, PA, USA; **Lihan Huang**, Author, USDA Agricultural Research Service, Wyndmoor, PA, USA

P2-079 **Quantitative Microbial Risk Assessment of Frozen Cheese Texas Toast Using Battelle's PRIA™ Model**

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P2-080 **Quantitative Microbial Risk Assessment of Ready-to-Eat Dressings and Dips Using Battelle's PRIA™ Model**

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P2-081 **Risk Assessment of Zeaxanthone and Its Modified Forms Under Different Toxicity Assumptions in South Korean Market Foods**

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P2-082 **Using Crowdsourced Data to Investigate Venue-Specific Norovirus-Like Illness Reporting Patterns**

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P2-083 **A Risk-Informed Decision Support Tool for Agricultural Irrigation Water Management Using QMRA**

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P2-084 **Advancing Phage-Based Interventions for Cattle Colonized with *E. coli* O157:H7**

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P2-085 **AMR in Small-Scale Leafy Vegetable Production Systems: A Global Perspective**

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P2-086 **Antimicrobial Efficacy of Peroxyacetic Acid (PAA) Treatment in Harvested Rainwater Used for Irrigation of Fresh Produce**

Kevin Tarwa, Primary Author, Author, Abstract Presenter, Submission Contact, University of Maryland, College Park, MD, USA

P2-087 **Antimicrobial Resistance and Genotypic Diversity of ESBL-Producing *Escherichia coli* in Broiler and Layer Farm Environments**

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P2-088 **Assessing the Ability of Treated Agricultural Water to Eliminate Established *E. coli***

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P2-089 **Assessing the Risk of Contamination of Leafy Greens and Landscape Use in California Farmland – A Participatory Modeling Approach**

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P2-090 **Behaviors of *Listeria innocua* During Cultivation of King Oyster Mushrooms (*Pleurotus eryngii*)**

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P2-091 **Bile Quantity in Poultry Litter-Based Amendments Contributes to Foodborne Pathogen Persistence**

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POSTER SESSIONS

- P2-092** **Biocontrol of *Listeria monocytogenes* and *Salmonella* Typhimurium in Hydroponics: Assessing the Efficacy of Plant Growth Promoting Bioinoculant Consortia**
Grace Akumu, Primary Author, Submission Contact, Texas Tech University, Lubbock, TX, USA; Mindy Brashears, Author, Texas Tech University, Wolfforth, TX, USA; Angela Walla, Author, Abstract Presenter, International Ctr. for Food Industry Excellence, Dept. of Animal and Food Science, Texas Tech University, Lubbock, TX, USA; Leslie Thompson, Author, International Center for Food Industry Excellence (ICFIE), Department of Animal and Food Science, Texas Tech University, Lubbock, TX, USA; Catherine Simpson, Author, Dept. of Plant and Soil Science, Texas Tech University, Lubbock, TX, USA; Christopher Currey, Author, Iowa State University, Ames, IA, USA
- P2-093** **Risk Factor Profiles and Food Safety Management Practices in Commercial Potted and Fresh-Cut CEA Herb Facilities**
Grace Akumu, Primary Author, Submission Contact, Texas Tech University, Lubbock, TX, USA; Angela Walla, Author, Abstract Presenter, International Ctr. for Food Industry Excellence, Dept. of Animal and Food Science, Texas Tech University, Lubbock, TX, USA; Mindy Brashears, Author, Texas Tech University, Wolfforth, TX, USA; Leslie Thompson, Author, International Center for Food Industry Excellence (ICFIE), Department of Animal and Food Science, Texas Tech University, Lubbock, TX, USA; Christopher Currey, Author, Iowa State University, Ames, IA, USA; Catherine Simpson, Author, Dept. of Plant and Soil Science, Texas Tech University, Lubbock, TX, USA
- P2-094** **Die-Off of *E. coli* on Spinach Grown in Indoor and Outdoor Deep-Water Culture Hydroponic Systems**
Dillon Ford, Primary Author, Abstract Presenter, Florida A&M University, Tallahassee, FL, USA; Vijay Chhetri, Author, Submission Contact, Florida Agricultural and Mechanical University, Tallahassee, FL, USA; Edwin Duke, Author, Florida Agricultural and Mechanical University, Tallahassee, FL, USA; Victor Akao, Author, Florida A&M University, Tallahassee, FL, USA; Cody Scales, Author, Florida A&M University, Tallahassee, FL, USA; Aaron Francis, Author, Florida A&M University, Tallahassee, FL, USA
- P2-095** **Effect of Composting on the Microbiome and Resistome Profiles of Dairy Cattle Manure With or Without Biochar Amendment**
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- P2-096** **Effect of Simulated Louisiana Summer Preharvest and Postharvest Storage Conditions on the Survival of *Salmonella* spp. and *E. coli* O157:H7 on Cucumbers**
Aakankshya Dhakal, Primary Author, Abstract Presenter, Submission Contact, Louisiana State University, Baton Rouge, LA, USA; Achyut Adhikari, Author, Louisiana State University AgCenter, Baton Rouge, LA, USA
- P2-097** **Effects of Plasma-Activated Water Treatment on Microbial Survival and Cilantro Growth in Deep Water Culture (DWC) Hydroponic Systems**
Cody Scales, Primary Author, Abstract Presenter, Florida A&M University, Tallahassee, FL, USA; Madison Williams, Author, Florida A&M University, Tallahassee, FL, USA; Victor Akao, Author, Florida A&M University, Tallahassee, FL, USA; Janen Afef, Author, Florida Agricultural and Mechanical University, Tallahassee, FL, USA; Edwin Duke, Author, Florida Agricultural and Mechanical University, Tallahassee, FL, USA; Vijay Chhetri, Author, Submission Contact, Florida Agricultural and Mechanical University, Tallahassee, FL, USA
- P2-098** **Evaluating Solar Heating Technology for Accelerated Microbial Reduction in Raw Manure**
Daniel Leiva, Primary Author, Abstract Presenter, Submission Contact, Louisiana State University, Baton Rouge, LA, USA; Achyut Adhikari, Author, Louisiana State University AgCenter, Baton Rouge, LA, USA; Aakankshya Dhakal, Author, Louisiana State University, Baton Rouge, LA, USA; Ivannova Lituma, Author, Louisiana State University, Baton Rouge, LA, USA; Sheetal Jha, Author, Louisiana State University, Baton Rouge, LA, USA
- P2-099** **Hydroclimatic Dryness, Streamflow Anomalies, and Recurrent Leafy Green Outbreaks in the Southern Salinas Valley, California**
Mehran Niazi, Primary Author, Abstract Presenter, Submission Contact, Human Foods Program - USDA, College Park, MD, USA; Kurt Nolte, Author, Food and Drug Administration, Washington, D.C., USA; Michael Mahovic, Author, USDA, College Park, MD, USA; Jane Van Doren, Person, USDA, College Park, MD, USA
- P2-100** **Identifying Influential Factors of *E. coli* O157:H7 Transmission from Animal Operations to Produce Fields**
Jared Smith, Primary Author, Abstract Presenter, Submission Contact, University of Arizona, Tucson, AZ, USA; Erika Austhof, Author, University of Arizona, Tucson, AZ, USA; James Bono, Author, USDA-ARS-USMARC, Clay Center, NE, USA; Kerry Cooper, Author, The University of Arizona, Tucson, AZ, USA
- P2-101** **Inactivation of *Salmonella* Typhimurium in Poultry Litter with Paper Biochar**
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- P2-102** **Influence of Environmental Conditions and Irrigation Practices on Bacterial Indicators in Preharvest Agricultural Water**
Isabella Tosta, Primary Author, Abstract Presenter, Submission Contact, University of California Davis, Davis, CA, USA; Cuong Nguyen, Author, University of California, Agriculture and Natural Resources, Davis, CA, USA; Xinhui Li, Author, University of Wisconsin La Crosse, La Crosse, WI, USA; Xu Yang, Author, Cal Poly Pomona, Pomona, CA, USA; En Huang, Author, The Ohio State University, Columbus, OH, USA; Erin DiCaprio, Author, University of California Davis, Davis, CA, USA
- P2-103** **Inoculated *L. monocytogenes*, *Salmonella*, and EHEC Concentrations Significantly Declined in Conventional and Organic-Controlled Environmental Agriculture Pond Water Over Five Days**
Tamara Walsky, Primary Author, Abstract Presenter, Submission Contact, Cornell University, Ithaca, NY, USA; Frank Yiannas, Author, Smarter FY Solutions, Bentonville, AR, USA; Martin Wiedmann, Author, Cornell University, Ithaca, NY, USA; Cristina Resendiz-Moctezuma, Author, Cornell University, Ithaca, NY, USA
- P2-104** **Longitudinal Assessment of *Escherichia coli* TVS353 Control in Certified Organic Soils Using Mustard Green Cover Crop Biofumigants**
Kyla Nocilla, Primary Author, Abstract Presenter, Submission Contact, University of Georgia, Athens, GA, USA; William Mitchell, Author, University of Florida, Gainesville, FL, USA; Charles Bency Appolon, Author, University of Georgia, Athens, GA, USA; Mmaduabuchi Okeh, Author, University of Georgia, Athens, GA, USA; Kate Cassity-Duffey, Author, University of Georgia, Athens, GA, USA; Timothy Coolong, Author, University of Georgia, Athens, GA, USA; Laurel Dunn, Author, University of Georgia, Athens, GA, USA
- P2-105** **Persistence and Transfer of *Listeria* to Leafy Greens in Hydroponic Systems**
Yiqing Wang, Primary Author, Abstract Presenter, Submission Contact, Virginia Tech, Blacksburg, VA, USA; Ying-Xian Goh, Author, Virginia Tech, Blacksburg, VA, USA; Thiviya Karuppasamy, Author, Virginia Tech, Blacksburg, VA, USA; Haijie Liu, Author, School of Plant and Environmental Sciences, Virginia Tech, Blacksburg, VA, USA; Boris A. Vinatzer, Author, School of Plant and Environmental Sciences, Virginia Tech, Blacksburg, VA, USA; Jingqiu Liao, Author, Virginia Tech, Blacksburg, VA, USA

POSTER SESSIONS

- P2-106** **Persistence of *Escherichia coli* O157:H7, *Salmonella enterica*, and *Cryptosporidium parvum* in Five Soil Types**
Janeth Gasca, Author, University of Georgia, Griffin, GA, USA; Robert Gilman, Author, Johns Hopkins University, Baltimore, MD, USA; Michael Strickland, Author, University of Idaho, Moscow, ID, USA; Shilah Waters, Author, Johns Hopkins University, Baltimore, MD, USA; Ynes Ortega, Primary Author, Abstract Presenter, Submission Contact, University of Georgia, Griffin, GA, USA
- P2-107** **Plasma-Activated Nanobubble Water Reduced Pathogen Surrogates and Influenced the Microbial Community of Romaine Lettuce Grown in Controlled Environment Hydroponic Systems**
Zirui Ray Xiong, Primary Author, Abstract Presenter, Submission Contact, University of Delaware, Newark, DE, USA; Ganyu Gu, Author, USDA, Greenbelt, MD, USA; Juzhong Tan, Author, University of Delaware, Newark, DE, USA
- P2-108** **Recovery of *Salmonella* from Artificially Inoculated Surface Water Using Dead-End Ultrafiltration Methods**
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- P2-109** **Risk Assessment of >1,000 Shiga Toxin-Producing *Escherichia coli* O157:H7 Strains Isolated in a Major Agricultural Region in Central California**
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- P2-110** **Seed Sanitization as a Preharvest Intervention to Reduce Foodborne Pathogen Contamination and Internalization in Fresh Produce**
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- P2-111** **Shotgun Metagenomics Reveals Differential Cecal Microbiome Responses to *Propionibacterium freudenreichii* and *Salmonella* Vaccination in Non-Challenged Broiler Chickens**
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- P2-112** **WITHDRAWN**
- P2-113** **Survival and Persistence of *Escherichia coli* and *Listeria innocua* in Co-Planting DWC and NFT Hydroponic Systems**
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- P2-114** **Survival of *Escherichia coli* in Inoculated Cow Manure-Amended Soil and Its Transfer to Growing Strawberries: A Field Study**
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- P2-115** **Survival of Spray-Applied Pathogen Surrogate *Escherichia coli* on Lemon Fruit in Field**
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- P2-116** **Survival of *Escherichia coli* Outbreak Strains on Greenhouse-Cultivated Tomato, Spinach, and Romaine Lettuce**
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- P2-117** **Survival of *Salmonella enterica*, *Listeria monocytogenes*, and Generic *Escherichia coli* in Nutrient Solutions Used in Hydroponic Systems**
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- P2-118** **Survival of *Salmonella* spp. in Soils Amended with Pecan Shells and Poultry Manure**
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- P2-119** **Effectiveness of Household Washing Procedures with Sanitizers for Reducing *Salmonella enterica* serovar Newport on Fresh Produce**
Adriana Vanegas Torres, Primary Author, Abstract Presenter, Submission Contact, Purdue University, West Lafayette, IN, USA; Amanda Deering, Author, Purdue University, West Lafayette, IN, USA
- P2-120** **Transference of *Salmonella* Typhimurium to Tomatoes (*Solanum lycopersicum* 'Micro-Tom') Using Different Contamination Routes with Poultry Manure-Amended Soil**
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- P2-121** **Whole-Genome Sequencing Analysis of Antibiotic Resistance and Virulence in *Salmonella enterica* Isolated from Mid-Atlantic Creek Sediments**
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P2-122 Developing, Optimizing, and Commercializing a Silver Ion-Based Wash Process for Whole Cantaloupe Using a Cloth-Based Aggregated Sampling Tool

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P2-123 Assessing the Enhanced Sampling Power of a Penetrative Sampling Device, MicroTally® MicroBroom™ Sampler, Over Conventional Tissue Sampling for Preharvest Microbial Assessment of Romaine Lettuce

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P2-124 Cloth-Based Finished Product Sampling of Fresh-Cut Produce with MicroTally® MicroCap™ Samplers Compared to Conventional Tissue Grabs

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P2-125 254 nm UV-C LED Disinfection of Dried Produce: Microbial Inactivation Performance and Quality Impacts for Small-Scale Process Adoption

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P2-126 A CCP-Based Assessment of Mycotoxin Risk in Medicinal Food Materials

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P2-127 Assessing the Reach and Use of OFRR Survey Data Among Produce Safety Educators and Regulators

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P2-128 Assessment of Consumer-Driven *Salmonella enterica* Cross-Contamination from Avocado Peel to Pulp and Knife

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P2-129 Assessment of the Attachment Strength of *Salmonella enterica* on the Surface of Various Tomatoes

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P2-130 Biocontrol Potential of Native Sprout-Associated *Pantoea agglomerans* for Reducing *Salmonella* During Alfalfa Sprouting

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P2-131 Cross-Contamination of Commercial Harvester-Surface Coupons Following Contact with Blueberries Inoculated with *Listeria monocytogenes* and *Escherichia coli*

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P2-132 Development and Validation of a UV-C Decontamination Tunnel for Controlling *Listeria* Biofilms and Other Microbial Populations on Food-Contact Surfaces

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P2-133 Validation of a 360° Hybrid Spray UV-C Tunnel System for Whole-Apple Decontamination

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P2-134 Effect of Epiphytic Bacteria on *Listeria monocytogenes* Growth on Produce from Farmers' Markets in Allegany County, Maryland

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P2-135 *Escherichia coli* Transfer onto Strawberries Drooped onto New and Used Mulch Over Time

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P2-136 Evaluating the Impact of Product Structure on *Salmonella* Thermal Resistance in Apples and Mangoes

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P2-137 Evaluation of Rapid Detection Kits for *Listeria* spp. on Food Contact Surfaces

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P2-138 From Lab to Packing House: Gas Phase Hydroxyl-Radical Process for Enhancing Food Safety of Stone Fruit

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P2-139 Evaluating Viral Cross-Contamination and Integrity in Wash Water Systems: Detection of Intact and Fragmented Particles

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P2-140 From Soil to Storage: Tracking Pathogens Across the Farm

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P2-141 Growth and Survival of Foodborne Pathogens on Fresh-Cut Produce: A Systematic Review

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P2-142 Growth Inhibition of *Monilinia fructicola*, *Monilinia laxa*, and *Botrytis cinerea* Exposed to Essential Oil Extracts

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P2-143 Impact of Real-Time Feedback on Cleaning and Sanitation Efficacy on Microbiological Loading on a Leafy Green Harvest Machine

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P2-144 Improving the Microbiological Safety of Recycled Drenching Systems: Efficacy of Sanitizer-Fungicide Combinations on the Reduction of Bacterial Pathogens

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P2-145 Assessment of Packinghouse Flume Systems and Influence of Water Physicochemical Properties on Cherry Microbiological Populations

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P2-146 Inactivation of *Listeria monocytogenes* on Raspberries and Postharvest Water by UV-C Light

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P2-147 Inactivation of *Salmonella* Typhimurium and Surrogate Bacteria *Enterococcus faecium* on Cucumbers by Triple-Wash with Peroxyacetic Acid

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P2-148 Perceptions of Produce Recall Responsibility and On-Farm Food Safety Compliance Among Small and Medium-Sized Growers

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P2-149 Persistence of *Salmonella* Typhimurium in Nutrient Film Technique Hydroponic Systems for Fresh Herb Production

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P2-150 Preharvest Application of Natural Antimicrobials to Reduce *Escherichia coli* O157:H7 on Spinach Grown in a Controlled Environment

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P2-151 Preharvest Control of *Salmonella enterica* in Microgreens Using Natural Antimicrobials

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P2-152 Proliferation of *Salmonella* During Postharvest Storage of Alfalfa Sprouts as Affected by Storage Temperature and Pathogen Load

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P2-153 Structural and Molecular Profiles of *Salmonella* spp. Biofilms in Hydroponic Leafy Green Production

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P2-154 Survey of Postharvest Washing Practices in Commercial Fresh Produce Packinghouses

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P2-155 Survival of *Escherichia coli* O157:H7, *Listeria monocytogenes*, and *Salmonella enterica* and Growth of Native Microbiota on Work-in-Process Fresh-Cut Carrot and Onion During Storage After Chlorine and Peroxyacetic Acid Washes

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- P2-156** **The Effect of Onion Variety on *Salmonella* and *E. coli* O157:H7 in Diced Onions**
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- P2-157** **The Post-Harvest Root Sanitizer Treatment on *Salmonella* Typhimurium in Hydroponically Grown Living Basil**
Fabien Matsiko, Primary Author, Submission Contact, Texas Tech University, Lubbock, TX, USA; Angela Walla, Abstract Presenter, International Ctr. for Food Industry Excellence, Dept. of Animal and Food Science, Texas Tech University, Lubbock, TX, USA; Leslie Thompson, Author, International Center for Food Industry Excellence (ICFIE), Department of Animal and Food Science, Texas Tech University, Lubbock, TX, USA; Catherine Simpson, Author, Dept. of Plant and Soil Science, Texas Tech University, Lubbock, TX, USA; Grace Akumu, Author, Texas Tech University, Lubbock, TX, USA; Mindy Brashears, Author, Texas Tech University, Wolforth, TX, USA; Christopher Currey, Author, Iowa State University, Ames, IA, USA;
- P2-158** **Understanding Aquaponics: How Food Safety Concerns and Label Recognition Shape U.S. Consumer Acceptance**
Fanny Gozzi, Primary Author, Abstract Presenter, Purdue University, West Lafayette, IN, USA; Yaohua Betty Feng, Author, Submission Contact, Purdue University, West Lafayette, IN, USA
- P2-159** **Antibiotic Residues in Raw Cow Milk Collected from Smallholder Dairy Producers in Kasama and Mbala, Zambia**
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- P2-160** **The One Health Landscape of Bacterial Antimicrobial Resistance in Virginia: 2007–2021**
Chyer Kim, Primary Author, Abstract Presenter, Submission Contact, Virginia State University, Petersburg, VA, USA; Eunice Ndegwa, Author, Virginia State University, Petersburg, VA, USA
- P2-161** **Upscaling the Production of a Natural Antimicrobial Peptide, Paenibacillin, Utilizing a Foam Separation-Based Bioreactor**
Sochina Ranjit, Primary Author, Abstract Presenter, The Ohio State University, Columbus, OH, USA; Ahmed Yousef, Author, Submission Contact, The Ohio State University, Columbus, OH, USA
- P2-162** **Pretreatment of Essential Oils to Reduce Odor Without Impact on Antimicrobial Effectiveness**
Tony Jin, Primary Author, Author, Abstract Presenter, Submission Contact, USDA-ARS-ERRC, Wyndmoor, PA, USA; Xuotong Fan, Author, USDA-ARS, Wyndmoor, PA, USA
- P2-163** **Novel Peptides Generated by Dairy Fermentation Exhibit Antibacterial Activity and Gut Microbiota Modulation**
Tomás Moita, Author, COFAC, Lisboa, Portugal; Adriana Belas, Author, Abstract Presenter, COFAC, Lisboa, Portugal; Laurentina Pedroso, Author, COFAC, Lisboa, Portugal; Isabel Santos, Author, COFAC, Lisboa, Portugal; Ana Lima, Primary Author, Submission Contact, Universidade Lusófona-Faculty of Veterinary Medicine, Lisboa, Portugal

- P2-164** **Alginate-Inulin Hydrogel Beads for Delivery of Bacteriophage Against Carbapenem-Resistant *Klebsiella pneumoniae***
Hyunji Yoon, Primary Author, Abstract Presenter, Submission Contact, Kookmin University, Seoul, Korea (the Republic of); Siyeon Park, Author, Kookmin University, Seoul, Korea (the Republic of); Jiyeon Chung, Author, Kookmin University, Seoul, Korea (the Republic of); Yoonjee Chang, Author, Kookmin University, Seoul, Korea (the Republic of)
- P2-165** **Impact of Novel Lactoferrin, Lactoperoxidase, and Their Combinations on Inactivation of Foodborne Pathogens and Spoilage Microorganisms**
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- P2-166** **Spoilage Challenge Studies of High Brix Sauces Treated with Natural Preservative proVONTAGE® 399**
Sydney Staffl, Primary Author, Abstract Presenter, Submission Contact, Third Wave Bioactives, Wauwatosa, WI, USA; Shelly Gebert, Author, Third Wave Bioactives, LLC, Wauwatosa, WI, USA; Rachel Neve, Author, Third Wave Bioactives, Wauwatosa, WI, USA
- P2-167** **Clean-Label Replacement of Potassium Sorbate and Sodium Benzoate in Ready-to-Eat Deli Salads**
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- P2-168** **Clean-Label Alternatives to Sodium Benzoate and Potassium Sorbate for Shelf-Life Extension and *Listeria* Control in Ready-to-Eat Chicken Salad**
Laura Araujo, Primary Author, Abstract Presenter, Submission Contact, Kerry Ingredients and Flavors, Beloit, WI, USA; Jyoti Aryal, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Hailey Davidson, Author, Kerry, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA
- P2-169** **Clean-Label, Broad-Spectrum Antimicrobials Produced by Fermentation of Food Ingredients Using the GRAS Fungus *Aspergillus oryzae***
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- P2-170** **Efficacy of a Natural Vegetable Fermentate for Controlling Microbial Spoilage in Pet Food**
Pierre Guichebard, Primary Author, Submission Contact, Symrise Pet Food - Videka, Rennes, France; Gilles Kergourlay, Author, Symrise Petfood - Videka, Elven, Morbihan, France; Charlie Connolly, Author, Abstract Presenter, Symrise Petfood - Videka, Kalamazoo, MI, USA
- P2-171** **Evaluation of the Efficacy of Calcium Propionate and Vinegar-Based Solutions in Extending the Shelf Life of White and Wheat Bread**
Kaylee Rumbaugh, Primary Author, Abstract Presenter, Submission Contact, Kerry Ingredients and Flavors, Beloit, WI, USA; Jyoti Aryal, Author, Kerry Food Protection & Preservation, Beloit, WI, USA; Henry Roe, Author, Kerry, Beloit, WI, USA; Supriya Korade, Author, Kerry, Beloit, WI, USA; Clarissa Zander, Author, Kerry, Beloit, WI, USA; Krishnamoorthy Pitchai, Author, Kerry, Beloit, WI, USA; Ya Liu, Author, Kerry, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA

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P2-172 Evaluation of an Organic and Clean-Label Fermented Wheat Flour Solution for Mold Inhibition in Wheat Bread

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P2-173 Lactic Acid Bacteria Fermentation of Sorghum Enhances Antimicrobial and Antioxidant Activities of Sorghum

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P2-174 Microgreen Production: Impact of Sanitization Treatments on Germination Percentage and Mold Suppression on *Allium porrum* L. Seeds

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P2-175 Impact of Relative Humidity on Chlorine Dioxide Gas Efficacy Against *Cronobacter sakazakii* on Stainless Steel Surfaces

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P2-176 Milk-Derived Lactoperoxidase Can Augmenting Decontamination Efficacy of High-Pressure Processing Against *C. sakazakii* in Infant Formula

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P2-177 WITHDRAWN

P2-178 Identification of Synergistic Binary Essential Oil Combinations with In Vitro Activity Against *Salmonella* at pH 5–7 Acidified with Lactic Acid

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P2-179 Novel Compounds Play a Significant Role in Reducing the Survival of Pentadrug-Resistant *Salmonella* Typhimurium

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P2-180 Monitoring Antibiotic-Resistant *Salmonella* in Poultry Carcass Rinses Throughout the USA

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P2-181 Sequential Application of Sodium Bisulfate and Peracetic Acid Against Multi-Drug-Resistant *Salmonella* in Chicken Thighs

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P2-182 Predictive Modeling as a Decision-Support Tool for Controlling *Listeria monocytogenes* in Plant-Based Meat Products

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P2-183 Clean Label Antimicrobial Alternatives for Shelf-Life Extension of Coleslaw

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P2-184 *Salmonella* Control on Pork Bones Using Clean-Label Antimicrobials

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P2-185 Beyond Potassium Sorbate: Clean-Label Solutions for *Listeria monocytogenes* Control in Refrigerated Deli Salads

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P2-186 Assessing the Efficacy of Consistent Use of Plant-Based Aqueous Extract in Preventing Biofilms Formed by *Salmonella enterica* and Leafy Green Native Microbiota on Different Food Contact Surfaces

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P2-187 Natural Antimicrobial Strategies for Spoilage and Pathogen Control in Meat Products

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P2-188 Clean-Label Antimicrobial Solution for Spoilage Control in Sauces and Dressings

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P2-189 Copper Resistance Drives Resistance to Naturally Occurring Aminoglycoside in *Salmonella enterica*

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P2-190 Comparative Analysis of Two Organic Acid Pre-Processing Rinses on *Salmonella enterica* Survival on Freeze Dried Apples

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P2-191 Efficacy of Sequential Alkaline-Acidic Electrolyzed Water Treatments for *Salmonella* spp. Reduction on Alfalfa Sprout Seeds

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P2-192 Evaluation of Antimicrobial Fogging Technology for Controlling *Salmonella enterica* Newport on Roma Tomatoes and Extending the Shelf Life of Berries Using Antimicrobial Edible Films

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P2-193 Metabolomics Profiling Reveals the Sanitizer Mechanisms Against *Salmonella enterica* Biofilm

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P2-194 Long-Read Sequencing Identifies Plasmid-Mediated Antimicrobial Resistance and Virulence Determinants in *Salmonella enterica* from Retail Pork

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P2-195 Plant-Based Prebiotics Enhance *Lactobacillus rhamnosus* Metabolite Production to Increase Antimicrobial Activity Against *Staphylococcus epidermidis*

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P2-196 Coriander Essential Oil vs. Its Major Component Linalool: Effects of Arid Conditions on Composition and the Performance of Free and Microencapsulated Linalool Against *Staphylococcus aureus* in Sheep Meat

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P2-197 Preharvest-Antibiotic Use Influences Antibiotic Resistance in *Salmonella enterica* from Commercial Poultry and Swine Farms in Lagos, Southwestern Nigeria

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P2-198 Probiotic Potential and Antimicrobial Characterization of Bioprotective Lactic Acid Bacteria from the Gastrointestinal Tract of Food Animals in Southwestern Nigeria

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P2-199 Antimicrobial Resistance Profiles of ESKAPE(E) Group Isolates Detected on Retail Fresh Produce

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P2-200 Effectiveness of Beef-Based Antimicrobial Interventions on Microbial Loads of Bison Carcasses

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P2-201 Thermal Inactivation of Foodborne Pathogens and Survival of Probiotics in Pecan-Based Frozen Desserts

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P2-202 Metagenomic Insights into the Resistome and Microbial Communities of Swine and Cattle Fecal Samples from Slaughterhouses

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P2-203 Inactivation of *Campylobacter jejuni* Persists Using ZnO Nanoparticles

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- P2-204** **Reduction of *Campylobacter jejuni* on Poultry Meat by Simultaneous Application of Antimicrobial Blue Light and Peracetic Acid**
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- P2-205** **Limitations of Carbohydrate Fatty Acid Esters (CFAs) as Food Antimicrobials and Emerging Alternative Applications: A Review**
Valeria Rodriguez Monge, Primary Author, Abstract Presenter, Submission Contact, Utah State University, Logan, UT, USA; Namhyeon Park, Author, Utah State University, Logan, UT, USA
- P2-206** **Sucrose Laurate (SL) Enhances Cleaning-in-Place (CIP) Chemical Removal of *E. coli* Biofilms Without Altering Planktonic MICs**
Namhyeon Park, Primary Author, Author, Submission Contact, Utah State University, Logan, UT, USA; Valeria Rodriguez Monge, Author, Abstract Presenter, Utah State University, Logan, UT, USA
- P2-207** **Prevalence and Genomic Characterization of Antimicrobial-Resistant *Escherichia coli* in Retail Meats from Puerto Rico**
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- P2-208** **Treatment of *Pseudomonas aeruginosa* and *Listeria monocytogenes* Biofilms with 405 nm Antimicrobial Blue Light**
Johana Lilian John Muthiah, Primary Author, Abstract Presenter, Submission Contact, University of Georgia, Griffin, GA, USA; Meghan den Bakker, Author, University of Georgia, Athens, GA, USA; Francisco Diez, Author Griffin, GA
- P2-209** **Non-Antibiotic Antimicrobial Pressure Shapes Efflux and Stress-Response Pathways in Food-Associated and Environmental *Escherichia coli***
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- P2-210** **Antimicrobial Resistance of *Escherichia coli* and *Enterococcus* spp. in Pastured Poultry Flocks: Implications for One Health and Food Safety**
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- P2-211** **Antimicrobial Efficacy of Peroxyacetic Acid Spray Cabinet on *Escherichia coli* and *Salmonella* Surrogates Inoculated on Lamb Carcasses**
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- P2-212** **Antimicrobial Effect of Sorghum Leaves Extract Against Foodborne Pathogens**
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- P2-213** **Effectiveness of Household Acid Wash Treatments for Reducing *Escherichia coli* on Apples Intended for At-Home Freeze-Drying**
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- P2-214** **Investigation of the Antimicrobial Action of Caprylic Acid and Lauric Acid Against *Escherichia coli* O157:H7 Under Acidic and Alkaline Conditions**
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- P2-215** **Synergistic Inactivation of *Escherichia coli* and *Salmonella* in Orange Juice by High-Pressure Processing, Mild Heat, and Ten Natural Antimicrobial Compounds**
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- P2-216** **Antifungal Ingredient Systems Against Spoilage Microorganisms Isolated from Refrigerated Bakery**
Jyoti Aryal, Primary Author, Abstract Presenter, Submission Contact, Kerry Ingredients and Flavours, Beloit, WI, USA; Kaylee Rumbaugh, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Laura Araujo, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Hailey Davidson, Author, Kerry, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA
- P2-217** **Clean Label Antimicrobial Systems as Replacements for Potassium Sorbate and Sodium Benzoate in Deli Salad**
Jyoti Aryal, Primary Author, Author, Abstract Presenter, Submission Contact, Kerry Ingredients and Flavours, Beloit, WI, USA; Laura Araujo, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Kaylee Rumbaugh, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Hailey Davidson, Author, Kerry, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA;
- P2-218** **Application of Antimicrobial Systems to Extend Shelf Life and Control Pathogens in Room-Temperature Stored Focaccia Bread**
Jyoti Aryal, Primary Author, Author, Abstract Presenter, Submission Contact, Kerry Ingredients and Flavours, Beloit, WI, USA; Kaylee Rumbaugh, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Hailey Davidson, Author, Kerry, Beloit, WI, USA; Laura Araujo, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA
- P2-219** **Cidal Effect of Clean-Label Antimicrobials Against *Listeria monocytogenes* in Refrigerated Beef Broth**
Jyoti Aryal, Primary Author, Abstract Presenter, Submission Contact, Kerry Ingredients and Flavours, Beloit, WI, USA; Kaylee Rumbaugh, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Isaac Romero, Author, Texas Tech University, Lubbock, TX, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA
- P2-220** **Validating Clean-Label Antimicrobial and Antioxidant Solutions to Extend the Shelf Life of Buffalo Reuben Dip**
Hailey Davidson, Primary Author, Abstract Presenter, Submission Contact, Kerry, Beloit, WI, USA; Kaylee Rumbaugh, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Jyoti Aryal, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Snigdha Guha, Author, Kerry, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA

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- P2-221 Screening of Clean-Label Antimicrobial Solutions for Yeast and Mold Control in Plant-Based Egg Base Using Accelerated Growth Modeling**
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- P2-222 Validation of Clean-Label Antimicrobial Solutions for Controlling *Listeria monocytogenes* and Spoilage Microorganisms in Refrigerated, Plant-Based, Ready-to-Eat Salads**
Hailey Davidson, Primary Author, Abstract Presenter, Submission Contact, Kerry, Beloit, WI, USA; Kaylee Rumbaugh, Author, Kerry Ingredients and Flavors, Beloit, WI, USA; Jyoti Aryal, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA
- P2-223 Validation of Clean-Label Antimicrobial Solutions for Controlling *Listeria monocytogenes* and Spoilage Microorganisms in Hummus**
Hailey Davidson, Primary Author, Abstract Presenter, Submission Contact, Kerry, Beloit, WI, USA; Kaylee Rumbaugh, Author, Kerry Ingredients and Flavors, Beloit, WI, USA; Jyoti Aryal, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA
- P2-224 Validation of Clean-Label Vinegar Solutions for Control of *Listeria monocytogenes* and Spoilage Microorganisms in Refrigerated French Fries**
Hailey Davidson, Primary Author, Abstract Presenter, Submission Contact, Kerry, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA
- P2-225 Validation of Clean-Label Vinegar Solutions to Control Spoilage Microorganisms in Fresh Mozzarella Cheese**
Hailey Davidson, Primary Author, Abstract Presenter, Submission Contact, Kerry, Beloit, WI, USA; Shikhadri Mahanta, Author, Kerry, Beloit, WI, USA; Laura Araujo, Author, Kerry Ingredients and Flavors, Beloit, WI, USA; Jyoti Aryal, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Kunalkumar Kadiya, Author, Kerry Ingredients and Flavors, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA
- P2-226 Validation of Clean-Label Antimicrobial Solutions for Shelf-Life Extension of Refrigerated Indian-Influenced Meals Using Isolated Spoilage Microorganisms**
Hailey Davidson, Primary Author, Abstract Presenter, Submission Contact, Kerry, Beloit, WI, USA; Laura Araujo, Author, Kerry Ingredients and Flavors, Beloit, WI, USA; Jyoti Aryal, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA
- P2-227 UV-C Inactivation of *Listeria monocytogenes* in Salmon Juice on Food Contact Surfaces Using the Contamination Sanitation Inspection and Disinfection (CSI-D+) Device**
Gary Maloncon, Primary Author, Abstract Presenter, Chapman University, Orange, CA, USA; Haeun (Grace) Cho, Author, Chapman University, Orange, CA, USA; Ghana Tirpude, Author, Chapman University, Orange, CA, USA; Rosalee Hellberg, Author, Submission Contact, Chapman University, Orange, CA, USA
- P2-228 Prevalence and Antimicrobial Resistance Gene Profiles of *Escherichia coli* Isolated from Retail Ground Beef in California**
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- P2-229 Advancing *Listeria* Control in Plant-Based Deli Products Through Clean-Label Antimicrobials**
Julie Bennett, Primary Author, Abstract Presenter, Submission Contact, Kalsec, Kalamazoo, MI, USA; Divek Nair, Author, Kalsec® Inc., Kalamazoo, MI, USA; Kristin Soave, Author, Kalsec, Kalamazoo, MI, USA; Jesse Neumann, Author, Kalsec, Kalamazoo, MI, USA; Andrew Lee, Author, Kalsec, Kalamazoo, MI, USA
- P2-230 A Clean-Label Casein Fermentate Controls *Listeria monocytogenes* in a High-Moisture Soft Cheese Model**
Alanah Kaufmann, Primary Author, Abstract Presenter, Submission Contact, University of Wisconsin Madison, Madison, WI, USA; Xingrui Fan, Author, University of Wisconsin Madison, Madison, WI, USA; Ashley Chung, Author, Food Research Institute, Madison, WI, USA; Jae-Hyuk Yu, Author, University of Wisconsin Madison, Madison, WI, USA
- P2-231 Changes in Genetic Expression and Viability of *Listeria monocytogenes* Associated with the Presence of Phage A511**
Italia Lima, Primary Author, Abstract Presenter, Submission Contact, Universidad Autónoma de Querétaro, Querétaro, Querétaro, Mexico; Sofia Arvizu-Medrano, Author, Universidad Autónoma De Querétaro, Querétaro, Mexico; Michael Miller, Author, University of Illinois at Urbana Champaign, Champaign, IL, USA; Montserrat Hernández Iturríaga, Author, Universidad Autónoma de Querétaro, Querétaro, Querétaro, México; Silvia Amaya-Llano, Author, Universidad Autónoma de Querétaro, Querétaro, Querétaro, Mexico; Angélica Godínez Oviedo, Author, Universidad Autonoma De Querétaro, Querétaro, Mexico
- P2-232 Decontamination of *Listeria monocytogenes* and *Salmonella* Typhimurium In Vitro and on Post-Harvest Seed (Alfalfa, Almond, Mung Bean, Soybean) by Cottonseed Protein Isolates**
Modesto Olanya, Primary Author, Abstract Presenter, Submission Contact, USDA-ARS-ERRC, Wyndmoor, PA, USA; Sudarsan Mukhopadhyay, Author, Microbial Food Safety Grp., ARS-USDA, Wyndmoor, PA, USA; Joshua Gurtler, Author, USDA-ARS, Wyndmoor, PA, USA; Zhongqi He, Author, USDA-ARS, New Orleans, LA, USA
- P2-233 Efficacy of Peracetic Acid (PAA) in Combination with a PAA Booster Against Dry Biofilms**
Bruce Urtz, Primary Author, Author, Sterilex, Cockeysville, MD, USA; Sara Mindek, Author, Abstract Presenter, Submission Contact, Sterilex, Hunt Valley, MD, USA; Madeline Burgess, Author, Sterilex, Hunt Valley, MD, USA; Kelly Ferguson, Author, Sterilex, Cockeysville, MD, USA
- P2-234 Shelf Life and Challenge Study in Mayonnaise: Preservation Systems for Yeast and LAB Control Under Ambient Storage**
Rigo Soler, Primary Author, Abstract Presenter, Submission Contact, Texas Tech University, Lubbock, TX, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Paula Souza, Author, Kerry, Campinas, Brazil; Ryan Schultz, Author, Kerry, Beloit, WI, USA
- P2-235 Evaluation of Natural Systems Against Spoilage Yeast and Mold in Yogurt**
Rigo Soler, Primary Author, Abstract Presenter, Submission Contact, Texas Tech University, Lubbock, TX, USA; Isaac Romero, Author, Texas Tech University, Lubbock, TX, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Merab Rios, Author, Kerry, San Juan del Rio, Mexico; Paula Souza, Author, Kerry, Campinas, Brazil; Ryan Schultz, Author, Kerry, Beloit, WI, USA

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P2-236 Evaluation of Shelf Life and *Listeria* Control in Pork Rinds Using Conventional Preservation Systems
Rigo Soler, Primary Author, Abstract Presenter, Submission Contact, Texas Tech University, Lubbock, TX, USA; Isaac Romero, Author, Texas Tech University, Lubbock, TX, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Merab Rios, Author, Kerry, San Juan del Rio, Mexico; Paula Souza, Author, Kerry, Campinas, Brazil; Ryan Schultz, Author, Kerry, Beloit, WI, USA

P2-237 Efficacy of Natural Systems Against Spoilage and Pathogenic Microorganisms in Turkey Deli Meat
Rigo Soler, Primary Author, Abstract Presenter, Submission Contact, Texas Tech University, Lubbock, TX, USA; Isaac Romero, Author, Texas Tech University, Lubbock, TX, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Paula Souza, Author, Kerry, Campinas, Brazil; Merab Rios, Author, Kerry, San Juan del Rio, Mexico; Ryan Schultz, Author, Kerry, Beloit, WI, USA

P2-238 Antimicrobial Efficacy of Natural Systems Against Spoilage and Pathogenic Microorganisms in Accelerated Data Generation Platform (ADGP)
Rigo Soler, Primary Author, Abstract Presenter, Submission Contact, Texas Tech University, Lubbock, TX, USA; Isaac Romero, Author, Texas Tech University, Lubbock, TX, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Merab Rios, Author, Kerry, San Juan del Rio, Mexico; Paula Souza, Author, Kerry, Campinas, Brazil; Ryan Schultz, Author, Kerry, Beloit, WI, USA

P2-239 Evaluation of an In Vitro Method to Determine the Virulence Potential of *Listeria monocytogenes* by Assessing Gut Barrier Tight Junction Permeability
Sefat Khuda, Primary Author, Abstract Presenter, Submission Contact, USDA, Laurel, MD, USA; James Day, Author, USDA, College Park, MD, USA; Carmen Tartera, Author, USDA, Laurel, MD, USA; James Shelton, Author, USDA, Laurel, MD, USA; Amit Mukherjee, Author, FDA-CFSAN, Laurel, MD, USA

P2-240 Evaluating the Growth Kinetics of Planktonically Grown and Biofilm-Originating *Listeria monocytogenes* in Deli-Turkey Formulated with Antimicrobials
Yureni Carvajal, Primary Author, Abstract Presenter, Submission Contact, Iowa State University, Ames, IA, USA; Luke Brown, Author, Iowa State University, Ames, IA, USA; Daniel Unruh, Author, Iowa State University, Ames, IA, USA

P2-241 Maximum Specific Growth Rate (μ_{max}) Driven Mechanistic Modeling to Quantify Dry Vinegar Clean Label Antimicrobial Impact in *Listeria* Risk Prediction for RTE Turkey
Jaya Sundaram, Primary Author, Submission Contact, WTI Inc, Jefferson, GA, USA; Purvi Chatterjee, Author, Abstract Presenter, WTI, Inc., Jefferson, GA, USA; Jasdeep Saini, Author, WTI Inc, Jefferson, GA, USA

P2-242 Effectiveness of Liquid-Buffered Vinegar in Enhancing the Shelf Life of Fresh Poultry Products
Jaya Sundaram, Primary Author, Submission Contact, WTI Inc, Jefferson, GA, USA; Purvi Chatterjee, Author, Abstract Presenter, WTI, Inc., Jefferson, GA, USA; Jasdeep Saini, Author, WTI Inc, Jefferson, GA, USA

P2-243 Evaluating the Efficacy of Clean-Label Antimicrobials in Controlling *Listeria monocytogenes* in Hot Dogs Stored at an Abusive Temperature of 48.5° ± 1.5°F
Jaya Sundaram, Primary Author, Submission Contact, WTI Inc, Jefferson, GA, USA; Purvi Chatterjee, Author, Abstract Presenter, WTI, Inc., Jefferson, GA, USA; Jasdeep Saini, Author, WTI Inc, Jefferson, GA, USA

P2-244 Electrostatic Organic Acid Treatments as a Postharvest Intervention to Reduce *Listeria monocytogenes* and *E. coli* O157:H7 on Cucumbers
Neelam Sharma, Primary Author, Abstract Presenter, Submission Contact, Louisiana State University, Baton Rouge, LA, USA; Manish Thapaliya, Author, LSU, Baton Rouge, LA, USA; Karuna Kharel, Author, Louisiana State University AgCenter, Baton Rouge, LA, USA; Achyut Adhikari, Author, Louisiana State University

AgCenter, Baton Rouge, LA, USA; Jack Losso, Author, Louisiana State University, Baton Rouge, LA, USA

P2-245 Growth on Plates of Bacteriocin-Treated *Listeria monocytogenes* on Infected Cilantro Leaves is Influenced by the Growth Media
Carmen Tartera, Primary Author, Author, Abstract Presenter, Submission Contact, USDA, Laurel, MD, USA

P2-246 Experimental Evolution of DDAC Tolerance in *Listeria monocytogenes* and Its Relevance to Food Sanitation
Adenike Adeyanju, Primary Author, Abstract Presenter, Submission Contact, University of Massachusetts Amherst, Amherst, MA, USA; John Gibbons, Author, University of Massachusetts Amherst, Amherst, MA, USA

P2-247 Influence of Potassium Ferrate Concentration and Contact Time on the Removal of *Listeria monocytogenes* on Plastic Cutting Board
Ajay Kumar Yenduri, Author, Mississippi State University, Mississippi State, MS, USA; Ramakrishna Nannapaneni, Primary Author, Author, Abstract Presenter, Submission Contact, Mississippi State University, Mississippi State, MS, USA; Shecoya White, Author, Mississippi State University, Mississippi State, MS, USA; Nitin Dhowlaghar, Author, Kerry, Beloit, WI, USA

WEDNESDAY, JULY 29

8:30 AM – 3:30 PM

Exhibit Hall

Poster Session 3

Animal and Pet Food Safety, Communications, Outreach and Education, Dairy, Data Management, Food Law and Regulation, Food Processing Technologies, Food Safety Systems, Low-Water Activity, Microbial Food Spoilage, Food Packaging, Retail and Food Service Safety, Sanitation and Hygiene, and Seafood

P3-01 through P3-102 – Authors present 10:00 AM – 11:00 AM and 12:00 PM – 1:00 PM
 P3-103 through P3-213 – Authors present 11:00 AM – 1:00 PM

P3-001 Training and Outreach Impacts for the Southern Center for FSMA Training, 2018–2024

Peggy Geren, Primary Author, Abstract Presenter, Submission Contact, University of Florida, Lake Alfred, FL, USA; Keith Schneider, Author, University of Florida, Gainesville, FL, USA; Renee Goodrich Schneider, Author, University of Florida, Gainesville, FL, USA; Matt Benge, Author, University of Florida, Gainesville, FL, USA; Michelle Danyluk, Author, University of Florida, Lake Alfred, FL, USA

P3-002 Understanding Farm Stop Operations: Insights from a Statewide Needs Assessment in Arkansas

Amanda Philyaw Perez, Primary Author, Abstract Presenter, Submission Contact, University of Arkansas, Little Rock, AR, USA; Sarah Bakker, Author, University of Arkansas, Division of Agriculture Cooperative Extension Service, Little Rock, AR, USA

P3-003 Advancing Produce Safety Education Through Student-Developed, Produce Safety Rule-Aligned Instructional Media

Armitra Jackson-Davis, Primary Author, Abstract Presenter, Submission Contact, Alabama A&M University, Madison, AL, USA; Shannon Coleman, Author, Louisiana State University - AgCenter, Baton Rouge, LA, USA; Shecoya White, Author, Tuskegee University, Tuskegee, AL, USA; Fall 2025 AAMU Food Microbiology Students, Author, Alabama A&M University, Huntsville, AL, USA; Lauryn Strong, Author, Alabama A&M University, Huntsville, AL, USA; Philip Bwalya, Author, Alabama A&M University, Huntsville, AL, USA; Fernanda Santos, Author, North Carolina State University, Raleigh, NC, USA; Dimitra Smith, Author, Texas A&M University Commerce, Commerce, TX, USA

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P3-004 Enhancing Food Safety Knowledge Among Minority Farmers Through Culturally Tailored FSMA Training

Pei Liu, Primary Author, Abstract Presenter, Submission Contact, University of Missouri Columbia, Columbia, MO, USA; Annalisa Hultberg, Author, University of Minnesota Extension, Farmington, MN, USA; Touria Eaton, Author, Lincoln University, Jefferson City, MO, USA

P3-005 Evaluation of Produce Safety Alliance Grower Training Learning Outcomes and Grower Self-Reported Coverage by the Food Safety Modernization Act Produce Safety Rule in California

Ruofen Liao, Primary Author, Abstract Presenter, Submission Contact, University of California Davis, Davis, CA, USA; Isabella Tosta, Author, University of California Davis, Davis, CA, USA; Thais Ramos, Author, University of California Sustainable Agriculture Research and Education Program, Division of Agriculture and Natural Resources, Davis, CA, USA; Aparna Gazula, Author, University of California Sustainable Agriculture Research and Education Program, Division of Agriculture and Natural Resources, Davis, CA, USA; Erin DiCaprio, Author, University of California Davis, Davis, CA, USA

P3-006 Florida's Extension Programs Prepare Produce Growers for Produce Safety Rule Inspection

William Mitchell, Primary Author, Abstract Presenter, Submission Contact, University of Florida, Gainesville, FL, USA; Morgan Madison, Author, UF IFAS, Gainesville, FL, USA; Kirby Quam, Author, Florida Dept of Ag - FDACS, Bartow, FL, USA; Chelsea Peebles, Author, Florida Dept. of Agriculture and Consumer Services, Bartow, FL, USA; Keith Schneider, Author, University of Florida, Gainesville, FL, USA; Renee Goodrich Schneider, Author, University of Florida, Gainesville, FL, USA; Michelle Danyluk, Author, University of Florida, Lake Alfred, FL, USA; Taylor O'Bannon, Author, University of Florida IFAS, Lake Alfred, FL, USA

P3-007 Food Safety Compliance Gaps in Northeastern Produce Production

Yuka Kawata, Primary Author, Abstract Presenter, Submission Contact, University of Maine Orono, Orono, ME, USA; Jennifer Perry, Author, University of Maine, Orono, ME, USA

P3-008 Modernizing Risk Communication: Aligning Food Safety Messaging with Consumer Preferences and Perceptions

Aaron Lavallee, Primary Author, Author, Abstract Presenter, Submission Contact, USDA-FSIS-OPACE, Washington, D.C., USA

P3-009 Mind the Gap: Behavioral Strategies to Improve Consumer Food Safety Practices

Aaron Lavallee, Primary Author, Author, Abstract Presenter, Submission Contact, USDA-FSIS-OPACE, Washington, D.C., USA

P3-010 Multidisciplinary Education for Home-Based Processors: Longitudinal Evaluation of Knowledge Gain and Economic Growth Under Oklahoma's Home Food Freedom Act

Ravi Jadeja, Primary Author, Submission Contact, Oklahoma State University, Stillwater, OK, USA; Justin Mcconaghy, Author, Oklahoma Department of Agriculture, Food, and Forestry, Oklahoma City, OK, USA; Xin Mei Teng, Author, Abstract Presenter, Oklahoma State University, Stillwater, OK, USA

P3-011 The Effect of Milkfat on the Inactivation of *Listeria* spp. After High Pressure Processing (HPP)

Allisson Fiorella Guevara Milla, Primary Author, Author, Abstract Presenter, Submission Contact, University of Nebraska Lincoln, Lincoln, NE, USA

P3-012 Systematic Content Analysis of YouTube Videos on Freeze-Drying Foods at Home

Allisson Fiorella Guevara Milla, Primary Author, Author, Abstract Presenter, Submission Contact, University of Nebraska Lincoln, Lincoln, NE, USA

P3-013 Food Safety Behaviors and Air-Fryer Use: Insights from Social Media Content

Alys Harrop, Author, ZERO2FIVE Food Industry Centre, Cardiff Metropolitan University, Cardiff, Wales, UK; Helen Taylor, Abstract Presenter, Cardiff Metropolitan University, Cardiff, Wales, UK; Elizabeth Redmond, Primary Author, Submission Contact, Cardiff Metropolitan University, Cardiff, Wales, UK

P3-014 Understanding Consumer Food Safety Practices Associated with Domestic Air Fryer Use: Qualitative Insights from the Island of Ireland

Alys Harrop, Author, ZERO2FIVE Food Industry Centre, Cardiff Metropolitan University, Cardiff, Wales, UK; Veronika Bulochova, Author, ZERO2FIVE Food Industry Centre, Cardiff, Wales, UK; Helen Taylor, Abstract Presenter, Cardiff Metropolitan University, Cardiff, Wales, UK; Elizabeth Redmond, Primary Author, Submission Contact, Cardiff Metropolitan University, Cardiff, Wales, UK

P3-015 Optimizing Food Safety Message Design on Flour Package: An Eye-Tracking Study

Han Chen, Primary Author, Abstract Presenter, Submission Contact, Purdue University, West Lafayette, IN, USA; Yaohua Betty Feng, Author, Purdue University, West Lafayette, IN, USA

P3-016 Food Safety Literacy at Scale: An Innovative Framework for Assessing Competence Among Environmental Health Officers

Amanda Fernandes, Primary Author, Abstract Presenter, Federal University of São Paulo - UNIFESP, São Paulo, SP, Brazil; Elke Stedefeldt, Author, Federal University of São Paulo, São Paulo, Brazil; Lais Zanin, Author, University of São Paulo, Ribeirão Preto, São Paulo, Brazil; Sueli Silva, Author, UNIFESP, Santos, São Paulo, Brazil; Renata Fonseca, Author, ANVISA, Brasília, DF, Brazil; Lilliane Fernandes, Author, ANVISA, Brasília, DF, Brazil; Diogo da Cunha, Submission Contact, State University of Campinas, Limeira, São Paulo, Brazil

P3-017 Microlearning as a Food Safety Training Strategy in Hospital Catering

Carolina Bottini Prates, Author, Universidade Federal De São Paulo, São Paulo, Brazil; Laura Souza Vietri, Author, University of São Paulo, Ribeirão Preto, Brazil; Letícia Fonseca, Author, USP, Ribeirão Preto, São Paulo, Brazil; Elke Stedefeldt, Author, Federal University of São Paulo, São Paulo, Brazil; Diogo da Cunha, Author, State University of Campinas, Limeira, São Paulo, Brazil; Lais Zanin, Primary Author, Abstract Presenter, Submission Contact, University of São Paulo, Ribeirão Preto, São Paulo, Brazil

P3-018 The Science Behind Safe Food Handling and Preparation: Resources for Extension Educators and Volunteers

Amarat Simonne, Author, Submission Contact, University of Florida, Gainesville, FL, USA; Kristina Tank, Author, Iowa State University, Ames, IA, USA; Sarah Al-Mazroa Smith, Author, Iowa State University, Ames, IA, USA; Zanina Wafula, Primary Author, Iowa State University, Ames, IA, USA; Shannon Coleman, Author, Abstract Presenter, Louisiana State University - AgCenter, Baton Rouge, LA, USA

P3-019 Community Meals and Disaster Food Safety Training

Veronica Bryant, Primary Author, Abstract Presenter, Submission Contact, North Carolina Division of Public Health, Raleigh, NC, USA; Nicholas Porter, Author, Association of State and Territorial Health Officials, Arlington, VA, USA

P3-020 Development and Implementation of 'On-Demand' Harvest Worker Food Safety Training in Arizona

Natalie Brassill, Primary Author, Abstract Presenter, Submission Contact, University of Arizona, Maricopa, AZ, USA; Channah Rock, Author, University of Arizona, Maricopa, AZ, USA; Julia Canizales, Author, University of Arizona Yuma Agricultural Center, Yuma, AZ, USA; Teresa Lopez, Author, Arizona LGMA, Phoenix, AZ, USA; Danielle Runion, Author, Arizona Department of Agriculture, Phoenix, AZ, USA

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P3-021 Impact of Managerial Food Safety Training on Hygiene Compliance in UAE Restaurants

Abdul Azeez Mullattu Ebrahim, Primary Author, Author, Abstract Presenter, Submission Contact, M.R.S. International Food Consultants, Dubai, UAE

P3-022 WITHDRAWN

P3-023 Emerging Roles of Cooperative Extension System in Food Retail: Results of FSEN Retail Committee Needs Assessment for Southeastern States

Savana Everhart Nunn, Primary Author, Abstract Presenter, Submission Contact, North Carolina State University, Raleigh, NC, USA; Ellen Thomas Shumaker, Author, North Carolina State University, Raleigh, NC, USA; H. Lester Schonberger, Author, Virginia Tech, Blacksburg, VA, USA; Emma Koenig, Author, University of Florida, Gainesville, FL, USA; Amarat Simonne, Author, University of Florida, Gainesville, FL, USA

P3-024 Squeaky Clean or Squeaking By? Presence and Adequacy of Handwashing Advice in Commercial Meal Kits

Allycn Dickman, Primary Author, Submission Contact, The Ohio State University, Columbus, OH, USA; Sanja Ilic, Author, Abstract Presenter, The Ohio State University, Columbus, OH, USA

P3-025 Effective Strategies for Developing Consumer-Focused Food Recall Communication Materials

Namesha Wijemanna, Primary Author, Abstract Presenter, Submission Contact, North Carolina State University, Raleigh, NC, USA; Ben Chapman, Author, North Carolina State University, Raleigh, NC, USA; Lisa Shelley, Author, North Carolina State University, Raleigh, NC, USA; Catherine Sander, Author, North Carolina State University, Raleigh, NC, USA; Jaclyn Goodson, Author, North Carolina State University, Raleigh, NC, USA; William Hallman, Author, Rutgers University, New Brunswick, NJ, USA; Vanessa Coffman, Author, Stop Foodborne Illness, Chicago, IL, USA

P3-026 WITHDRAWN

P3-027 Biocontrol of *Listeria monocytogenes* as a Post-Processing Contaminant in Soft Cheese

Swara Bhatt, Primary Author, Abstract Presenter, Submission Contact, University of Connecticut, Storrs, CT, USA; Dennis D'Amico, Author, University of Connecticut, Storrs, CT, USA

P3-028 Bioprotective Capabilities of an Artisanal Strain of *Lactococcus lactis* and Consumer's Sensory Acceptability of the Resulting Cottage Cheese

Gabriella Gephart, Primary Author, Abstract Presenter, Submission Contact, The Ohio State University, Columbus, OH, USA; Ahmed Yousef, Author, The Ohio State University, Columbus, OH, USA

P3-029 Antimicrobial and Antibiofilm Activity of Postbiotics KE1 Derived from Kefir Against Bovine Mastitis Causative Pathogens

San-Yi Kim, Primary Author, Abstract Presenter, Submission Contact, Center for One Health, Dept. of Veterinary Public Health, College of Veterinary Medicine, Konkuk University, Seoul, Korea (the Republic of); Soo-Ah Lee, Author, Center for One Health, Dept. of Veterinary Public Health, College of Veterinary Medicine, Konkuk University, Seoul, Korea (the Republic of); Kun-Ho Seo, Author, Konkuk University, Gwangjin-gu, Seoul, Korea (the Republic of)

P3-030 Comparative Analysis of Virulence Factors and Antimicrobial Susceptibility in Causative Pathogens from Bovine Mastitis and Normal Raw Milk

San-Yi Kim, Primary Author, Abstract Presenter, Submission Contact, Center for One Health, Dept. of Veterinary Public Health, College of Veterinary Medicine, Konkuk University, Seoul, Korea (the Republic of); Soo-Ah Lee, Author, Center for One Health, Dept. of Veterinary Public Health, College of Veterinary Medicine, Konkuk University, Seoul, Korea (the Republic of); Kun-Ho Seo, Author, Konkuk University, Gwangjin-gu, Seoul, Korea (the Republic of)

P3-031 Assessing the Development of Environmental Monitoring Programs Among Small Dairy Processors

Caroline Yates, Primary Author, Abstract Presenter, Submission Contact, Cornell University, Ithaca, NY, USA; Aljosa Trmčić, Author, Cornell University, Ithaca, NY, USA; Martin Wiedmann, Author, Cornell University, Ithaca, NY, USA

P3-032 Investigating the Effect of Lactic Acid Bacteria on Fermentation Dynamics of Soy Protein Yogurt

Adina Arshad, Primary Author, Abstract Presenter, Submission Contact, University of Massachusetts Amherst, Amherst, MA, USA; Wilton Mok, Author, University of Massachusetts, Amherst, MA, USA; Sawichaya Phimolmas, Author, University of Massachusetts, Amherst, MA, USA; Amanda Kinchla, Author, University Massachusetts, Amherst, MA, USA

P3-033 Integrating SWOT Analysis and Analytic Hierarchy Process (AHP) for Evaluating Milk Safety in Addis Ababa, Ethiopia

Lina Mego, Primary Author, Submission Contact, University of Montreal, Montreal, Quebec, Canada; Lina Mego, Abstract Presenter, University of Montreal, Montreal, Quebec, Canada; Noemel Harriet, Author, University of Montreal, Montreal, Quebec, Canada

P3-034 Genomic and Functional Characterization of Potential Probiotic Lactic Acid Bacteria Isolated from Long-Lived Individuals in Costa Rica

Ana Ramos Arroyo, Primary Author, Abstract Presenter, Submission Contact, University of Costa Rica, San Jose, Costa Rica; Jessie Usaga, Author, Universidad De Costa Rica, San Jose, Costa Rica; Natalia Barboza Vargas, Author, University of Costa Rica, San Jose, Costa Rica; Laura Brenes-Guillen, Author, University of Costa Rica, San Jose, Costa Rica; Catalina Murillo-Cruz, Author, University of Costa Rica, San Jose, Costa Rica; Adrian Pinto Tomas, Author, University of Costa Rica, San Jose, Costa Rica

P3-035 Comparison of the Thermal Resistance of *Enterococcus faecium* NRRL B-2354 and *Salmonella* sp. in Low-Moisture Extruded Treat Products

Stevie Ward, Primary Author, Abstract Presenter, Submission Contact, University of Wisconsin - Madison Food Research Institute, Madison, WI, USA; Kristin Schill, Author, Food Research Institute/University of Wisconsin-Madison, Madison, WI, USA

P3-036 Survey of Commercial Powdered Infant Formulas for Sulfite-Reducing *Clostridia* and Presumptive *Clostridium botulinum*

Stevie Ward, Primary Author, Abstract Presenter, University of Wisconsin - Madison Food Research Institute, Madison, WI, USA; Kristin Schill, Author, Submission Contact, Food Research Institute/University of Wisconsin-Madison, Madison, WI, USA; Melissa Bohn, Author, Food Research Institute, Madison, WI, USA of America; Jason Knuckey, Author, UW-Madison, Food Research Institute- Applied Food Safety Laboratory, Madison, WI, USA; Brandon Wanless, Author, University of Wisconsin Madison, Madison, WI, USA; Kathleen Glass, Author, University of Wisconsin Madison, Madison, WI, USA

P3-037 Analysis of *Escherichia coli* Isolates from Dairy Cattle in Puerto Rico and the Influence of Their Antimicrobial Resistance Profile

Esmeralda Soto Vélez, Primary Author, Abstract Presenter, Submission Contact, University of Puerto Rico Mayaguez, Mayaguez, Puerto Rico; Christian Lorenzo Feliciano, Author, University of Puerto Rico Mayaguez, Mayaguez, Puerto Rico, USA; Anna Acosta, Author, The Pennsylvania State University, University Park, PA, USA; Edward Dudley, Author, Penn State University, University Park, PA, USA; Jaime Curbelo, Author, University of Puerto Rico Mayaguez, Mayaguez, Puerto Rico, USA; Yadir Malavez Acevedo, Author, University of Puerto Rico Mayaguez, Mayaguez, Puerto Rico, USA

POSTER SESSIONS

P3-038 Seasonal Patterns of Antimicrobial Resistance and Food Safety Relevant Virulence in *Staphylococcus aureus* from Subclinical Mastitis in Dairy Herds in Puerto Rico

Christian Lorenzo Feliciano, Primary Author, Abstract Presenter, Submission Contact, University of Puerto Rico Mayaguez, Mayaguez, Puerto Rico, USA; Yadira Malavez Acevedo, Author, University of Puerto Rico Mayaguez, Mayaguez, Puerto Rico, USA; Jaime Curbelo, Author, University of Puerto Rico Mayaguez, Mayaguez, Puerto Rico, USA; Edward Dudley, Author, Penn State University, University Park, PA, USA; Anna Acosta, Author, The Pennsylvania State University, University Park, PA, USA; Esmeralda Soto Vélez, Author, University of Puerto Rico Mayaguez, Mayaguez, Puerto Rico

P3-039 Bulk Tank Milk in Puerto Rico Harbors Genetically Diverse *Escherichia coli* and *Staphylococcus aureus* with Antimicrobial Resistance Genes

Anna Acosta, Primary Author, Abstract Presenter, Submission Contact, The Pennsylvania State University, University Park, PA, USA; Esmeralda Soto Vélez, Author, University of Puerto Rico Mayaguez, Mayaguez, Puerto Rico; Christian Lorenzo Feliciano, Author, University of Puerto Rico Mayaguez, Mayaguez, Puerto Rico, USA; Jaime Curbelo, Author, University of Puerto Rico Mayaguez, Mayaguez, Puerto Rico, USA; Yadira Malavez Acevedo, Author, University of Puerto Rico Mayaguez, Mayaguez, Puerto Rico, USA; Edward Dudley, Author, Penn State University, University Park, PA, USA

P3-040 The Effect of Aging Temperature on Foodborne Pathogens in Raw Milk Hard Cheese: A Comparative Analysis

Maria Salazar, Primary Author, Abstract Presenter, Texas Tech University, Amarillo, TX, USA; Alexandra Calle, Author, Submission Contact, Nova Southeastern University, Fort Lauderdale, FL, USA

P3-041 HPP Replacement Using Clean-Label Antimicrobial Systems for Shelf-Life Extension and *Listeria* Control in Lobster Spread

Laura Araujo, Primary Author, Abstract Presenter, Submission Contact, Kerry Ingredients and Flavors, Beloit, WI, USA; Jyoti Aryal, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Hailey Davidson, Author, Kerry, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA

P3-042 Clean-Label Strategies for *Listeria monocytogenes* Control and Shelf-Life Extension in Yogurt-Based Dip

Laura Araujo, Primary Author, Abstract Presenter, Submission Contact, Kerry Ingredients and Flavors, Beloit, WI, USA; Hailey Davidson, Author, Kerry, Beloit, WI, USA; Jyoti Aryal, Author, Kerry Ingredients and Flavours, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA

P3-043 Reducing Microbial Growth and Extending Shelf Life of Fresh Hispanic Cheeses

Shikhadri Mahanta, Primary Author, Abstract Presenter, Submission Contact, Kerry, Beloit, WI, USA; Hailey Davidson, Author, Kerry, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA

P3-044 Natural Antimicrobial Solutions Compared to Natamycin for Mold Inhibition in Shredded Mozzarella and Cheddar

Shikhadri Mahanta, Primary Author, Abstract Presenter, Submission Contact, Kerry, Beloit, WI, USA; Hailey Davidson, Author, Kerry, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA

P3-045 Antimicrobial Treatments to Prevent Yeast and Mold Growth in Cottage Cheese

Shikhadri Mahanta, Primary Author, Abstract Presenter, Submission Contact, Kerry, Beloit, WI, USA; Hailey Davidson, Author, Kerry, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA

P3-046 Replacing Potassium Sorbate in Feta Cheese with Clean-Label Ingredients

Shikhadri Mahanta, Primary Author, Abstract Presenter, Submission Contact, Kerry, Beloit, WI, USA; Hailey Davidson, Author, Kerry, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA

P3-047 Natural Antimicrobial Solutions for Cheese Brine Preservation

Shikhadri Mahanta, Primary Author, Abstract Presenter, Submission Contact, Kerry, Beloit, WI, USA; Hailey Davidson, Author, Kerry, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA

P3-048 Effects of Milk Production Systems on Microbial Communities and Fatty Acid Profiles in Raw Milk

Eiseul Kim, Primary Author, Abstract Presenter, Submission Contact, Gyeongbuk National University, Andong-si, Korea (the Republic of); Seung-Min Yang, Author, Gyeongbuk National University, Andong-si, Korea (the Republic of); Jaewook Kim, Author, Kyung Hee University, Gyeonggi-do, Korea (the Republic of); Hae-Young Kim, Author, Kyung Hee University, Gyeonggi-do, Korea (the Republic of)

P3-049 In-Line Sampling Reveals Opportunities for Improvements in Bulk Tank Milk Quality

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P3-050 Rapid Detection of Microorganisms in All-Purpose Cream Using Hygiena's ATP-Based Innovate™ Microbial Screening System

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P3-05 Thermal Inactivation Model for the Histamine-Producing Species, *Lentilactobacillus parabuchneri*, in Non-Homogenous Milk

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P3-052 Virulence Potential of *Bacillus cereus* Isolates Isolated from Italian Infant Formulae

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P3-053 Cardoon Rennet as a Natural Antibacterial Strategy to Enhance Food Safety in Traditional Cheese Production

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P3-054 Antimicrobial Peptides Produced by Dairy Fermentation as Natural Preservatives for Pet Foods
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P3-055 Effect of Oxidative Stress Adaptation on the Survival of *Bifidobacterium* spp. in Yogurt
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P3-056 Reduction of *Listeria* spp. and *Salmonella* spp. on Cheese Varieties Manufactured with Regular and Ultrafiltered Milk
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P3-057 Blue Light Inactivation of *Salmonella enterica* in Goat Milk Powder
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P3-058 Characterization of Bacterial Spore Injury Induced by Emulsifier-Combined High-Pressure Processing Using Flow Cytometry and Quantitative PCR
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P3-059 Removal and Survival of *Escherichia coli* TVS 353 and *Listeria innocua* on Romaine Lettuce Treated with Home-Based Ultrasound Technology
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P3-060 Reduction of Aflatoxin in Peanut Kernels Using Pulsed Light
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P3-061 Inactivation of *Salmonella* on Pecan Kernels Using Lactic Acid
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P3-062 Phase-Dependent Inactivation of Microbial Surrogates by Hydroxyl-Radical Treatments Generated Using UV-C, Hydrogen Peroxide, and Ozone
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P3-063 Pilot-Scale Evaluation of an Ozonated Water Generation System Using a Stacked Wire Dielectric Barrier Discharge (SWDBD) Reactor for Microbial Inactivation and Energy Efficiency in Fresh Produce Washing
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P3-064 WITHDRAWN

P3-065 Synergistic Inactivation of *Salmonella* Typhimurium by Pulsed Light and Peracetic Acid
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P3-066 Synergistic Effects of Atmospheric Cold Plasma and Chlorine on Pathogen Reduction in Sprout Seeds
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P3-067 Antimicrobial Efficacy of Ultraviolet-C Light (UV-C) on *Listeria innocua* and *Escherichia coli* in Cold Brew Coffee Using a Novel Continuous Flow UV-C Light Reactor
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P3-068 Validating Efficacy of High-Pressure Processing for Inactivation of *Listeria monocytogenes* and Nontyphoidal *Salmonella* in Presence of Carvacrol
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P3-069 Enhanced Inactivation of *Escherichia coli* O157:H7 in Post-Harvest Lettuce Using Nonthermal Hurdles of Cold Plasma and Pulsed Light
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P3-070 Enzyme Inactivation as a Quantitative Surrogate for Predicting Microbial Reduction at Different Dosages of Plasma-Activated Water
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- P3-071 Evaluating the Safety and Thermal Process of Home-Canned Seafood Stock**
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- P3-072 Effect of Fat Content on High-Pressure Processing Inactivation of *Listeria innocua* and *Listeria monocytogenes* in Pork Meat Emulsions**
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- P3-073 Effect of Freeze Drying on *Enterococcus faecium*, *Listeria innocua*, and *E. coli* in Raw Salmon**
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- P3-074 Evaluation of Ozone Nanobubbles for Reducing *Listeria* on Food-Contact Surfaces**
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- P3-075 Evaluation of Smart Wash® and the Addition of a Silver Ion Pretreatment, SmartWash® Boost, to Mitigate *E. coli* O157:H7 in Fresh-Cut Romaine Lettuce**
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- P3-076 Evaluation of the Injury Characteristics of Bacterial Spores with High Hydrostatic Pressure Processing by Near Infrared Spectroscopy**
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- P3-077 Process Parameter Optimization and Modeling of Plasma-Activated Water for Microbial Inactivation**
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- P3-078 WITHDRAWN**
- P3-079 Q-Switched UVA Laser Irradiation as a Chemical-Free Strategy for Surface Inactivation of *Salmonella* Enteritidis**
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- P3-080 Freezing and Microwave Heating as Control Strategies for *Campylobacter* spp. in Ready-to-Eat Frozen Chicken Foods**
Karen Campos, Author, University of Costa Rica, San Jose, Costa Rica; Valeria Piedra, Author, Abstract Presenter, University of Costa Rica, San José, Costa Rica; Carol Valenzuela, Author, University of Costa Rica, San José, Costa Rica; Jessie Usaga, Primary Author, Submission Contact, Universidad De Costa Rica, San Jose, Costa Rica
- P3-081 Some Engineering and Physical Properties of Pecans for Pulsed Light Sterilization**
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- P3-082 Development of a Continuous Cold Plasma System and Its Application in Blueberry Preservation**
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- P3-083 Synergism of Carvacrol and High-Pressure Processing for Inactivation of *Salmonella* Typhimurium LT2**
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- P3-084 Clean-Label Preservation for Mold Control in Semi-Moist Pet Treats Under Accelerated Storage Conditions**
Ariana Roldan, Primary Author, Abstract Presenter, Submission Contact, Kerry, Beloit, WI, USA; Jasmine Kataria, Author, Kerry Ingredients and Flavors, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA
- P3-085 Improving Microbial Shelf Life of High-Moisture Raw Pet Foods Using Multi-Hurdle Preservation**
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- P3-086 Antilisterial and Shelf-Life Efficacy of Vinegar-Based Ingredients in Cooked Refrigerated Pet Food**
Jasmine Kataria, Primary Author, Submission Contact, Kerry Ingredients and Flavors, Beloit, WI, USA; Ariana Roldan, Author, Abstract Presenter, Kerry, Beloit, WI, USA; Joyjit Saha, Author, Kerry, Beloit, IL, USA; Saurabh Kumar, Author, Kerry, Beloit, WI, USA; Ryan Schultz, Author, Kerry, Beloit, WI, USA

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P3-087 Extending Mold-Free Shelf Life in Semi-Moist Pet Treats at Elevated Water Activity

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P3-088 Reveal Q+ MAX Zeaxanthin Enhancement

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P3-089 Shelf-Life Extension of Refrigerated Pet Food Using Clean-Label Antimicrobials

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P3-090 Control of Spoilage Microorganisms in Tomato Salsa Using Clean-Label Antimicrobials

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P3-091 Screening for *Salmonella* in Pet Food Samples is Critical to Protect Both Animal and Human Health

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P3-092 Isothermal Inactivation of *Salmonella enterica* in Black Soldier Fly Frass and Larvae

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P3-093 Kill-Step Validation of *Bacillus* and *Clostridium* Vegetative Cells in Thermally Processed Pet Food Using Canning

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P3-094 Phage Biocontrol of *Salmonella* on Raw Pet Food

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P3-095 Microbial Ecology and Biofilm Formation in Commercial Wheat Milling Facilities: Implications for Low-Moisture Grain Product Safety

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P3-096 Validation of Dog Biscuit Baking Process to Control *Salmonella* Contamination

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P3-097 Enhancing Microbial Safety of Mechanically Separated Chicken in Pet Food Using Natural Preservation Approaches

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P3-098 Natural Preservation Strategies Using Cultured Ingredients for Fungal Inhibition in Pet Food Matrices

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P3-099 A Natural Multipurpose Antimicrobial Solution for Pet Food: Controlling Fungal Spoilage and Foodborne Pathogen

Gilles Kergourlay, Primary Author, Submission Contact, Symrise Petfood - Videka, Elven, Morbihan, France; Charlie Connolly, Author, Abstract Presenter, Symrise Petfood - Videka, Kalamazoo, MI, USA

P3-100 Occurrence of Antimicrobial Resistance in Indicator Bacteria and *Campylobacter* spp. Isolated from Commercial Raw Meat-Based Pet Food in Belgium

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P3-101 Pressure Resistance Variation Among Selected *Salmonella* Serovars in a Model Poultry-Based Pet Food Diet

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P3-102 Quantifying Residue of Additives and Cross-Contamination in Feed Mill Bucket Elevators Using Magnetic Iron Tracers as a Screening Method

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P3-103 Impact of Cleaning and Sanitation on *Salmonella* Adhesion on Stainless Steel Surfaces for Multiple Food Powders

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POSTER SESSIONS

- P3-104** **From Soil to Shell: A Structural Equation Modeling Framework to Understand Microbial Contamination of In-Shell Pecans During Harvest**
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- P3-105** **Quantifying Transfer of *Salmonella* and Shiga Toxin-Producing *Escherichia coli* on Wheat Grain During Tempering**
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- P3-106** **WITHDRAWN**
- P3-107** **Inactivation of *Salmonella* Montevideo and Enteritidis in Wheat Flour Through a Combination of L-Cysteine, Acetic Acid, and Ultraviolet (254 nm) Treatment**
Hannah Ferouz, Primary Author, Abstract Presenter, Submission Contact, University of Guelph Food Science Dept., Guelph, Ontario, Canada; Fan Wu, Author, University of Guelph, Guelph, Ontario, Canada; Cristina Chiappe, Author, University of Guelph, Guelph, Ontario, Canada; Keith Warriner, Author, University of Guelph, Guelph, Ontario, Canada
- P3-108** **Survival Dynamics of *Escherichia coli* in Food Powders During Storage at Different Temperatures**
Xinyue Wu, Primary Author, Abstract Presenter, Submission Contact, University of Georgia, Dept. of Food Science and Technology, Griffin, GA, USA; Jinru Chen, Author, Department of Food Science and Technology, The University of Georgia, Griffin, GA, USA
- P3-109** **Significance of UV-C and Acidic Water Tempering Treatments on Inactivating Pathogenic *E. coli* on Hard Red Winter (HRW) Wheat Grains and Whole Wheat Flour Quality**
Jared Lou Rivera, Primary Author, Abstract Presenter, Submission Contact, Kansas State University, Manhattan, KS, USA; Shivaprasad Doddabematti Prakash, Author, Kansas State University, Manhattan, KS, USA; Kaliramesh Siliveru, Author, Kansas State University, Manhattan, KS, USA
- P3-110** **Evaluating *Enterococcus faecium* as a Surrogate for Pathogenic Bacteria for Chlorine Dioxide Tempering of Wheat**
Suhan Bheemaiah Balyatanda, Primary Author, Author, Abstract Presenter, Submission Contact, Kansas State University, Manhattan, KS, USA; Subramanyam Bhadriraju, Author, Kansas State University, Manhattan, KS, USA; Kaliramesh Siliveru, Author, Kansas State University, Manhattan, KS, USA
- P3-111** **A Comprehensive Measurement of Thermal Death Kinetics of *Salmonella* and *Listeria monocytogenes* and Their Surrogates Under Isothermal and Constant-RH Conditions Relevant to Drying and Roasting**
Rajesh Dangal, Primary Author, Abstract Presenter, Submission Contact, South Dakota State University, Brookings, SD, USA; Ren Yang, Author, South Dakota State University, Brookings, SD, USA; Juming Tang, Author, University of Washington, Seattle, WA, USA; Stephanie Smith, Author, Washington State University, Pullman, WA, USA
- P3-112** **Optimization of Citric Acid Marinade – Heat Pretreatments for Pathogen Inactivation in Freeze-Dried Beef Jerky**
Mallika Mahida, Primary Author, Abstract Presenter, Submission Contact, University of Georgia, Athens, GA, USA; Sitara Cullinan, Author, University of Georgia, Athens, GA, USA; Lauren Suiter, Author, University of Georgia, Athens, GA, USA; Dulce M. Minaya, Author, University of Georgia, Athens, GA, USA; Carla Schwan, Author, University of Georgia, Athens, GA, USA
- P3-113** **Efficacy of *Salmonella* Removal Using Wheat Flour and Corn Meal Push-Through in Auger Conveyor Systems**
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- P3-114** **Harmonized AFNOR and AOAC Certification Extensions of the BAX® Real-Time PCR Assay for *Salmonella* Detection in 375 g Pet Food**
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- P3-115** **Harmonized AFNOR and AOAC Extension of the BAX® Real-Time PCR Assay for *Salmonella* Detection in 375 g Chocolate Samples**
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- P3-116** **Co-Inoculation Methods for Pathogens *Salmonella*, *Escherichia coli*, *Listeria monocytogenes* and Their Surrogates *Enterococcus faecium* and *Pediococcus acidilactici* on Dried Low-Water Activity Foods**
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- P3-117** **Seasoned for Safety: Herb and Spice Validations Using Hygiene's BAX® System Method to Rapidly Detect *Salmonella***
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- P3-118** **Matrix Validation of 375 g of Creamy Peanut Butter for the Detection of Shiga Toxin-Producing *E. coli* Using Hygiene's BAX® System Method**
Julie Weller, Primary Author, Abstract Presenter, Submission Contact, Hygiene, New Castle, DE, USA; Christine Chapman, Author, Hygiene, New Castle, DE, USA
- P3-119** **Detection of *Salmonella* from 375 g of Powdered Infant Formula Using the Hygiene® BAX® System Real-Time PCR Assay**
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- P3-120** **Sample-Handling Parameters to Support Almond Dry Roasting Validation Studies Using *Enterococcus faecium* NRRL B-2354**
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P3-121 An Investigation of *Salmonella* Richmond Infections Linked to Imported Moringa Leaf Powder, 2025

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P3-122 Persistence of *Cronobacter sakazakii* Biofilms on Stainless Steel in the Presence of Powdered Infant Formula Residue

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P3-123 Persistence of *Cronobacter sakazakii* Biofilms on Stainless Steel Treated with Chemical Sanitizers

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P3-124 Behavior of *Listeria monocytogenes* in Cocoa Products and Chocolates Under Different Storage Conditions

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P3-125 Anticipation of Food Safety Risks with an Expert Driven Horizon Scanning System

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P3-126 Advancing HACCP Implementation in Nigeria: Insights from a Regional Survey

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P3-127 Framework for Anonymization of Food Safety Data for Privacy Preserved Data Sharing Demonstrated on Publicly Available Data

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P3-128 Utilizing Fluorescence Imaging Systems to Detect Fecal Contamination on Shell Eggs

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P3-129 Technology-Enabled Hand-Hygiene Compliance: A Cross-Sector Review and Privacy-Preserving Machine Vision Evaluation

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P3-130 Deep Learning-Based Rapid Detection and Classification of Bio-Aerosolized Bacteria

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P3-131 Impact of Visual Layout on Food Recall Effectiveness: An Eye-Tracking and Behavioral Observation Study

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P3-132 Evaluating the Relationship Between Visual Fixation Patterns and Spontaneous Recall in Food Safety Communications

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P3-133 Thermal Inactivation Parameters of *Salmonella*, Shiga Toxin-Producing *Escherichia coli*, and *Cronobacter sakazakii* in Whey Protein Concentrate (WPC80) During 120 Days of Storage

Arshdeep Singh, Abstract Presenter, University of Missouri, Columbia, MO, USA; Drushya Ramesh, Author, University of Missouri, Columbia, MO, USA; Ayush Kumar, Author, University of Missouri, Columbia, MO, USA; Norah Pierce, Author, University of Missouri, Columbia, MO, USA; Lakshmikantha Channaiah, Primary Author, Submission Contact, University of Missouri, Columbia, MO, USA

P3-134 Validation of Buttermilk Tea Biscuit-Baking Process to Control *Salmonella* Contamination

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P3-135 Validation of Pancake Manufacturing Process and Thermal Death Inactivation Parameters of an Eight-Serovar *Salmonella* Cocktail

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P3-136 Ensuring Microgreen Safety: A Comprehensive Review of Decontamination Strategies with Emphasis on LED-Based Antimicrobial Treatments

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P3-137 Millet-Based Probiotic and Analysis of Its Inhibitory Effect on Colon Cancer Cells

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- P3-138** **Impact of Extraction Methods on the Antimicrobial Activity of Exopolysaccharides from Probiotic Cells and Spent Culture Medium**
Ji-Yeon Kim, Author, Abstract Presenter, Submission Contact, Chung-Ang University, Anseong, Korea (the Republic of); Yujin Bong, Author, Chung-Ang University, Anseong, Korea (the Republic of); Areum Han, Author, Chung-Ang University, Seoul, Korea (the Republic of); Sun-Young Lee, Primary Author, Chung-Ang University, Anseong, Korea (the Republic of)
- P3-139** **Fermentation in Novel Vegetables for Safe and Sustainable Preservation Practice**
Mohak Koirala, Primary Author, Abstract Presenter, Submission Contact, Lincoln University, Jefferson City, MO, USA; Sujana Acharya, Author, Lincoln University, Missouri, Jefferson City, MO, USA
- P3-140** **Risk Mitigation of Foodborne Pathogens by Applying Omics Approaches Within the Food System: A Focus on *Listeria monocytogenes***
Melisa Jaramillo Zapata, Primary Author, Abstract Presenter, Submission Contact, Dept. of Agricultural, Forest and Food Science (DISAFA), University of Turin, Turin, Italy; Irene Franciosa, Author, University of Turin, Turin, Italy; Aitor Blanco-Míguez, Author, PreBiomics S.r.l., Trento, Italy; Mattia Bolzan, Author, PreBiomics S.r.l., Trento, Italy; Nicola Segata, Author, Department CIBIO, University of Trento, Trento, Italy; Kalliopi Rantsiou, Author, University of Turin, Grugliasco, Italy; Luca Coccolin, Author, University of Torino, Grugliasco, Italy
- P3-141** **Quantitative Risk Assessment of *Listeria monocytogenes* on Snack Sandwiches Through Microbiological Risk Identification of Meals Provided in Small-Scale Public Foodservice Settings**
Hyeja Chang, Author, Dankook University, Cheonan, Korea (the Republic of); Inhee Kang, Author, Abstract Presenter, Dankook University, Cheonan, Korea (the Republic of); Hyeonmo An, Primary Author, Submission Contact, Dankook University, Cheonan, Korea (the Republic of)
- P3-142** **Analysis of Imported Food Recalls in South Korea from 2015 to 2024**
Chaeun Jeong, Author, Chungbuk National University, Cheongju-si, Chungcheongbuk-do, Korea (the Republic of); Sangmi Lee, Primary Author, Abstract Presenter, Submission Contact, Chungbuk National University, Cheongju, Korea (the Republic of)
- P3-143** **Evaluating Food Safety Risks and Mitigation Steps in Low-Moisture Food Supply Chains: A Focus on Developing Economies**
Monipal Babb, Primary Author, Submission Contact, North Carolina State University, Raleigh, NC, USA; Ben Chapman, Author, North Carolina State University, Raleigh, NC, USA; Monipal Babb, Author, Abstract Presenter, North Carolina State University, Raleigh, NC, USA; Lindsey McGowan, Author, North Carolina State University, Raleigh, NC, USA; Lynette Johnston, Author, North Carolina State University, Cary, NC, USA; Joseph Donaldson, Author, NC State University, Raleigh, NC, USA
- P3-144** **RNA-Seq-Based Transcriptomics Shows That *Salmonella* Typhimurium is Exposed to Oxidative Stress During Survival in Chicken Meat Matrix**
Greeshma Bharathan, Primary Author, Auburn University, Auburn, AL, USA; Stephen White, Author, U.S. National Poultry Research Center, USDA-ARS, Athens, GA, USA; Shabarinath Srikumar, Abstract Presenter, Submission Contact, Auburn University, Auburn, AL, USA
- P3-145** **Comparison of Persistence and Viability of *Listeria monocytogenes* on Different Food-Contact Surfaces**
Aditi Bhadauria, Primary Author, Abstract Presenter, University of Georgia, Athens, GA, USA; Bavithra Suganthan, Author, University of Georgia, Athens, GA, USA; Ramaraja Ramasamy, Author, Submission Contact, The University of Georgia, Athens, GA, USA
- P3-146** **Transfer Dynamics of *Listeria monocytogenes* Between Food Contact Surfaces and Avocados During Packing Process**
Zahra Mohebbi, Primary Author, Abstract Presenter, Submission Contact, Texas A&M University, College Station, TX, USA; Alejandro Castillo, Author, Texas A&M University, College Station, TX, USA
- P3-147** **Dynamics of Attachment of *Listeria monocytogenes* to Different Types of Food-Contact Surfaces Used in Produce Packing Equipment**
Zahra Mohebbi, Primary Author, Abstract Presenter, Submission Contact, Texas A&M University, College Station, TX, USA; Alejandro Castillo, Author, Texas A&M University, College Station, TX, USA
- P3-148** **Biomapping *Salmonella* Contamination Trends Throughout a Commercial Beef Processing Facility**
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- P3-149** **Development of a Bio-Based Antiviral Coating Using Zein and Chlorinated Yeast Cells for Stainless Steel Food-Contact Surface**
Yoonbin Kim, Primary Author, Abstract Presenter, Seoul National University, Seoul, Korea (the Republic of); Nicharee Wisuthiphaet, Author, King Mongkut's University of Technology North Bangkok, Bangkok, Thailand; Ashlyn Lightbown, Author, University of California Davis, Davis, CA, USA; Erin DiCaprio, Author, University of California Davis, Davis, CA, USA; Nitin Nitin, Author, Submission Contact, Dept. of Food Science and Technology, University of California Davis, Davis, CA, USA
- P3-150** **Long-Term Survival Characteristics of Foodborne Pathogens Under Stress Conditions During Frozen Storage**
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- P3-151** **AI-Assisted Risk Negotiation to Support Environmental Sampling Decisions in Dairy Processing**
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- P3-152** **Best Practices for In Vitro Bioassays to Assess Food-Related Complex Mixtures: An AOAC Europe Initiative**
Karina Hettwer, Primary Author, Author, Submission Contact, QuoData, Dresden, Germany; Steffen Uhlig, Author, Abstract Presenter, QD Labs LP, Frankford, DE, USA; Kirsten Simon, Author, QD Labs LP, Frankford, DE, USA
- P3-153** **Do You Recall? Bringing Recall Data Up to Date and Making It Accessible**
Niam Abeyasiriwardena, Primary Author, Author, Abstract Presenter, Submission Contact, Massachusetts General Hospital, Somerville, MA, USA
- P3-154** **WITHDRAWN**
- P3-155** **Detection of Bacterial and Fungal Contamination in Fuel Samples Using the AquaSnap® Total Water ATP Test**
Anne Roelfing, Primary Author, Abstract Presenter, Submission Contact, Hygiene Diagnostics, Potsdam, Germany, Deutschland; Alexandra Jahn, Author, Hygiene-Diagnostics GmbH, Potsdam, Deutschland

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P3-156 **Cleaning and Sanitizing Efficacy Against *Salmonella* on Non-Conventional Food-Contact Surfaces in Produce Packinghouses**

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P3-157 **Comparative Adhesion of *Enterococcus faecium* and Novel Fluorescent Biomimetic Particles to Support Sanitation Practices**

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P3-158 **Immunofluorescence-Assisted Investigation of Human Astrovirus-1 in Oyster Processing and Production**

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P3-159 **Pathogen Persistence on Produce Packinghouse Food-Contact Surfaces Based on Temperature and Inoculation Method**

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P3-160 **Investigation of Indigenous Microbial Populations Present on Waxing Roller Brushes in Commercial Stone Fruit Packinghouses**

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P3-161 **Steam Tenting for Simultaneous Microbial Inactivation and Wax Removal from Produce Polishing Brushes**

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P3-162 **Signal-Dependent Phenotypic Switching of Surface-Attached *Escherichia coli* During Produce Washing and Its Modulation by a Fermented Navy Bean Extract**

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P3-163 **Survival and Inactivation of *Listeria monocytogenes* on Soiled Food Contact Surfaces Influenced by Sublethal Stress**

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P3-164 **Survival and Efficacy of Sanitation Strategies Against *Cronobacter sakazakii* in Powdered Infant Formula and Nonfat Dry Milk Powder**

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P3-165 **Thickness and Uniformity of *Salmonella* Culture on Dry Surface Influence Their Death Kinetics from UV-C Treatments**

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P3-166 **Continuous Wave (CW) Lasers are a Rapid, Targeted Thermal Surface Sanitization Intervention**

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P3-167 **Ultraviolet Inactivation (UV-C) of Viral Droplets on Food Contact Surfaces**

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P3-168 **Antimicrobial Efficacy of Plasma-Activated Water Against *Listeria innocua* on Food-Contact Surfaces**

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P3-169 **Disruption of Fungal Stress Adaptation Pathways by a Fermented Navy Bean Extract Under Sanitation-Relevant Conditions**

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- P3-170** **Evaluation of 222-nm Far-UVC Light for Inactivating Bacteria on Ready-to-Eat Deli Ham in Various Packaging Types**
Jenny Park, Primary Author, Abstract Presenter, Submission Contact, University of Illinois Urbana-Champaign, Champaign, IL, USA; Hui Zhang, Author, University of Illinois Urbana-Champaign, Champaign, IL, USA; Yi-Cheng Wang, Author, University of Illinois at Urbana-Champaign, Urbana, IL, USA
- P3-171** **Evaluation of the Microbial-Inactivation Efficacy of a 222-nm Far-UVC Lamp-Mounted Conveyor-Belt System Against *Escherichia coli* K-12 and *Listeria innocua* on Food-Contact Surfaces**
Jenny Park, Primary Author, Abstract Presenter, Submission Contact, University of Illinois Urbana-Champaign, Champaign, IL, USA; Hui Zhang, Author, University of Illinois Urbana-Champaign, Champaign, IL, USA; Rabia Farheen Shamim Basha, Author, University of Illinois at Urbana-Champaign, Champaign, IL, USA; Caden J. Eagler, Author, Eden Park Illumination, Champaign, IL, USA; Zhihu Liang, Author, Eden Park Illumination, Champaign, IL, USA; Sung-Jin Park, Author, Eden Park Illumination, Champaign, IL, USA; Yi-Cheng Wang, Author, University of Illinois at Urbana-Champaign, Urbana, IL, USA
- P3-172** **Efficacy of Acidified Oil Emulsion Against *Enterococcus faecium* by Temperature and Lactic Acid Concentration**
Shihyu Chuang, Primary Author, Abstract Presenter, Submission Contact, University of Massachusetts Amherst, Amherst, MA, USA; Christina Allingham, Author, Bigelow Tea, Fairfield, CT, USA; Lynne McLandsborough, Author, University of Massachusetts, Amherst, MA, USA
- P3-173** **Efficacy of Cleaning and Sanitizing Treatments on Soiled Food Contact Surfaces Against *Salmonella enterica***
Aytan Pirverdiyeva, Primary Author, Abstract Presenter, University of Georgia, Athens, GA, USA; Blanca Ruiz-Llacsahuanga, Author, University of Georgia, Athens, GA, USA; Charles Bency Appolon, Author, University of Georgia, Athens, GA, USA; Faith Critzer, Author, Submission Contact, University of Georgia, Athens, GA, USA
- P3-174** **The Hygiene Conditions of Conventional vs. Modified Blueberry Machine Harvesters**
HwaEun Lee, Primary Author, Abstract Presenter, Submission Contact, University of Georgia, Griffin, GA, USA; Lois Amponsah, Author, The University of Georgia, Griffin, GA, USA; Sarah Doane, Author, Dept. of Agriculture and North Willamette Research and Extension Center, Oregon State University, Aurora, OR, USA; Wei-qiang Yang, Author, Dept. of Agriculture and North Willamette Research and Extension Center, Oregon State University, Aurora, OR, USA; Xueyan Hu, Author, University of Georgia, Griffin, GA, USA; Renee Holland, Author, Holland Consulting and Research, LLC, Alma, GA, USA; Jinru Chen, Author, Department of Food Science and Technology, The University of Georgia, Griffin, GA, USA
- P3-175** **Sanitizer Chemistry Impacts Growth and Cross-Contamination Risk of *Salmonella enterica* Serovar Typhimurium in the Sanitation Bucket System**
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- P3-176** **Food Safety and Microbial Quality in Rural Retail Establishments**
Monijesu Fadamiro, Primary Author, Abstract Presenter, Submission Contact, Prairie View A&M University, Prairie View, TX, USA; Mahta Moussavi, Author, Prairie View A&M University, Cypress, TX, USA; David Mugabo, Author, University of Rwanda, Kigali, Rwanda; Andrew Appiah Darkwah, Author, Prairie View A&M University, Hempstead, TX, USA; Jennifer Quinlan, Author, Prairie View A&M University, Prairie View, TX, USA
- P3-177** **Leafy Greens at Retail: Handling Practices and Food Safety Implications**
Ranjana Ghimire, Primary Author, Abstract Presenter, Submission Contact, University of Central Oklahoma, Edmond, OK, USA; Bhuvaneswari Pothuraju, Author, University of Central Oklahoma, Edmond, OK, USA; Priyanka Gupta, Author, University of Central Oklahoma, Edmond, OK, USA; Kanika Bhargava, Author, University of Central Oklahoma, Edmond, OK, USA; Sujata Bhandari, Author, University of Central Oklahoma, Edmond, OK, USA
- P3-178** **Behavioral Barriers Sustaining Reactive Food Safety Culture in Hospital Catering: A COM-B Analysis**
Leticia Fonseca, Primary Author, USP, Ribeirão Preto, Sao Paulo, Brazil; Elke Stedefeldt, Author, Federal University of São Paulo, São Paulo, Brazil; Carolina Bottini Prates, Author, Universidade Federal De São Paulo, São Paulo, Brazil; Lais Zanin, Abstract Presenter, Submission Contact, University of São Paulo, Ribeirão Preto, Sao Paulo, Brazil
- P3-179** **The Levels of Residues on Harvested Sprouts Grown from Ascaroside #18-Treated Seeds During the Sprouting Process**
Xueyan Hu, Primary Author, Abstract Presenter, Submission Contact, University of Georgia, Griffin, GA, USA; Jinru Chen, Author, Department of Food Science and Technology, The University of Georgia, Griffin, GA, USA
- P3-180** **Food Safety Knowledge, Attitudes, and Practices of Hospital Foodservice Managers: A Cross-Sectional Study in Pakistan**
Huma Ehsan, Author, Foreman Christian University, Lahore, Pakistan; Muhammad Bilal Sadiq, Author, Forman Christian College, Lahore, Pakistan; Imran Ahmad, Primary Author, Abstract Presenter, Submission Contact, Florida International University, North Miami, FL, USA
- P3-181** **Effect of Storage Temperature on the Growth of *Bacillus cereus* in Cooked Rice**
Samantha Roldán Pérez, Primary Author, Abstract Presenter, Submission Contact, University of Arkansas, Fayetteville, AR, USA; Vera Arthur, Author, University of Arkansas System Division of Agriculture, Fayetteville, AR, USA; Peter Rubinelli, Author, University of Arkansas, Fayetteville, AR, USA; Jennifer Acuff, Author, University of Arkansas, Fayetteville, AR, USA
- P3-182** **Standard 9 in Action: Longitudinal Inspection Analytics Improve Food Safety (2021–2025)**
Karla Acosta, Primary Author, Abstract Presenter, Submission Contact, University of Houston (Health Inspector), Houston, TX, USA; Alberto Belza, Author, Western Carolina University, Cullowhee, NC, USA
- P3-183** **Rowanberry Extract as an Effective Natural Antimicrobial Solution for Refrigerated Hummus**
Chi-An Lee, Primary Author, Author, Abstract Presenter, Submission Contact, A&B Ingredients, Fairfield, NJ, USA
- P3-184** **Gap Analysis for Kentucky's Retail Food Inspection Program: Regional Statistics and Comparisons**
Virginia Hamilton, Primary Author, Submission Contact, Kentucky Dept. of Public Health, Lexington, KY, USA; Nathaniel Wilson, Author, Abstract Presenter, Kentucky Department for Public Health, Frankfort, KY, USA
- P3-185** **Culture Dependent vs. Culture Independent Evaluation of Bacterial Communities Associated with Fish Stored at 0°C**
Marlee Mims, Primary Author, Abstract Presenter, Submission Contact, USFDA, Dauphin Island, AL, USA; Nicholas Wagner, Author, University of South Alabama, Mobile, AL, USA; Kristin Butler, Author, USFDA, College Park, MD, USA; Ronald Benner, Person, USFDA, Dauphin Island, AL, USA

POSTER SESSIONS

P3-186 **Isolation and Characterization of *Vagococcus lutrae* in Heat-Processed RTE Seafood: An Emerging Human Pathogen and Food Safety Threat**
Karthik Chaganti, Primary Author, Abstract Presenter, Submission Contact, University of West Alabama, Livingston, AL, USA; Hung King Tiong, Author, University of West Alabama, Livingston, AL, USA; Boli Wang, Author, University of West Alabama, Livingston, AL, USA; Fei Wen, Author, University of West Alabama, Livingston, AL, USA; Wenqing Zhao, Author, University of West Alabama, Livingston, AL, USA; Hongrui Tu, Author, University of West Alabama, Livingston, AL, USA; Wendan Xue, Author, University of West Alabama, Livingston, AL, USA

P3-187 **WITHDRAWN**

P3-188 **Assessment of Microbial Quality and Safety of Wild-Caught Shrimp and Farm-Raised Shrimp Sold in Texas**
Andrew Appiah Darkwah, Primary Author, Abstract Presenter, Submission Contact, Prairie View A&M University, Hempstead, TX, USA; Mahta Moussavi, Author, Prairie View A&M University, Cypress, TX, USA; David Mugabo, Author, University of Rwanda, Kigali, Rwanda; Monjesu Fadamiro, Author, Prairie View A&M University, Prairie View, TX, USA; Jennifer Quinlan, Author, Prairie View A&M University, Prairie View, TX, USA

P3-189 **Characterization of Gulf of America Moon Jellyfish (*Aurelia aurita*) and Its Application in Preventing Shrimp Spoilage**
Seongbin Park, Primary Author, Abstract Presenter, Submission Contact, Mississippi State University, Mississippi State, MS, USA; Jesse Raley, Author, Mississippi State University, Pascagoula, MS, USA; Yunim Cha, Author, Mississippi State University, Pascagoula, MS, USA; Lin Bi, Author, Mississippi State University, Pascagoula, MS, USA; Jerish Janahar, Author, Mississippi State University, Pascagoula, MS, USA; Yan Zhang, Author, Mississippi State University, Pascagoula, MS, USA

P3-190 **Effective Biocontrol of *E. coli* O157:H7 by an Active Packaging Film Incorporated with Liposome-Encapsulated CAM-21 Bacteriophage**
Khatereh Shirani, Primary Author, Abstract Presenter, University of Missouri, Columbia, MO, USA; Azlin Mustapha, Author, Submission Contact, University of Missouri, Columbia, MO, USA

P3-191 **WITHDRAWN**

P3-192 **Phage-Based Primary Packaging Eliminates *Salmonella* Infantis in Fresh Poultry Meat Without Affecting Quality Indicators and the Microbiota**
Rocio Barron-Montenegro, Primary Author, Abstract Presenter, Pontificia Universidad Catolica, Macul, Chile; Vivien Cadet-Arenas, Author, Pontificia Universidad Católica de Chile, Santiago, Región Metropolitana, Chile; Nicolas Anguita, Author, Pontificia Universidad Católica, Macul, Santiago, Chile; Marcia Suarez, Author, Pontificia Universidad Católica, Macul, Santiago, Chile; Andrea Moreno Switt, Author, Submission Contact, Catholic University of Chile, Santiago, Chile

P3-193 **Sustainable and Smart Antimicrobial Packaging: Pectinase-Responsive Bacteriophage Delivery via Ca²⁺-Crosslinked Pectin Films**
Jiyeon Chung, Primary Author, Abstract Presenter, Submission Contact, Kookmin University, Seoul, Korea (the Republic of); Siyeon Park, Author, Kookmin University, Seoul, Korea (the Republic of); Hyunji Yoon, Author, Kookmin University, Seoul, Korea (the Republic of); Yoonjee Chang, Author, Kookmin University, Seoul, Korea (the Republic of)

P3-194 **Copper-Infused Packaging: A Sustained-Release Mechanism to Control the Growth of *Listeria monocytogenes* on Ready-to-Eat Meats During Refrigerated Storage**
Vianca Tashiguano, Primary Author, Abstract Presenter, Submission Contact, Auburn University, Auburn, AL, USA; Katherine Sierra, Author, Auburn University, Auburn, AL, USA; Micah T. Black, Author, Auburn University, Auburn, AL, USA; Javier Lavin, Author, Copperprotek SpA, Chile, Santiago de Chile, Chile; Noelle Blanc, Author, Copperprotek SpA, Chile, Santiago de Chile, Chile; Samantha Nunez, Author, Copperprotek SpA, Chile, Santiago de Chile, Chile; Santiago Salvestrini, Author, Copperprotek SpA, Chile, Santiago de Chile, Chile; Laura Garner, Author, Auburn University, Auburn, AL, USA

P3-195 **Optimizing the Delivery of *Vibrio* Bacteriophages Through Calcium-Mediated Controlled Release Systems in Alginate Films for Enhanced Scallop Safety**

Siyeon Park, Primary Author, Abstract Presenter, Submission Contact, Kookmin University, Seoul, Korea (the Republic of); Jiyeon Chung, Author, Kookmin University, Seoul, Korea (the Republic of); Hyunji Yoon, Author, Kookmin University, Seoul, Korea (the Republic of); Yoonjee Chang, Author, Kookmin University, Seoul, Korea (the Republic of)

P3-196 **Antimicrobial Performance and UV-Blocking Efficacy of TiO₂-Loaded Electrospun Pullulan/PVA Nanofiber Mats for Food Packaging Applications**
Md Mahfuzur Rahman, Primary Author, Author, Abstract Presenter, Submission Contact, Clemson University, Clemson, SC, USA; Omer Sadak, Author, Clemson University, Clemson, SC, USA

P3-197 **Application of Chemical and Physical Interventions in Enhancing Microbial Food Safety and Extending Shelf Life of Root Vegetables**
Tony Jin, Primary Author, Author, Abstract Presenter, Submission Contact, USDA-ARS-ERRC, Wyndmoor, PA, USA

P3-198 **Evaluating Large Language Models for Structured Extraction of Food Recall Announcements**
Jinxin Liu, Primary Author, Abstract Presenter, Submission Contact, McGill University, Montreal, Quebec, Canada; Jiali Hu, Author, McGill University, Sainte-Anne-de-Bellevue, Quebec, Canada; Qian Liu, Author, McGill University, Montreal, Quebec, Canada; Xiaonan Lu, Author, McGill University, Sainte-Anne-de-Bellevue, Quebec, Canada

P3-199 **Mining Trends in Shiga Toxin-Producing *Escherichia coli* (STEC) Prevalence Data in Beef Products Using USDA-FSIS Surveillance Data**
Juan Fajardo, Primary Author, Abstract Presenter, Submission Contact, Texas Tech University, Lubbock, TX, USA; Marcos Sanchez, Author, Texas Tech University, Lubbock, TX, USA; Luis Salazar, Author, Texas Tech University, Lubbock, TX, USA; Rigo Soler, Author, Texas Tech University, Lubbock, TX, USA

P3-200 **Development of a Power BI-Based Real-Time Data Management and Visualization Tool for *Salmonella* Biomapping in the Secondary Processing Operations of Commercial Facilities**
Rigo Soler, Primary Author, Abstract Presenter, Submission Contact, Texas Tech University, Lubbock, TX, USA; Luis Salazar, Author, Texas Tech University, Lubbock, TX, USA; Juan Fajardo, Author, Texas Tech University, Lubbock, TX, USA; Marcos Sanchez, Author, Texas Tech University, Lubbock, TX, USA

P3-201 **Slice Thickness Determines Dehydration Kinetics and *Salmonella* Inactivation in Beef Jerky Under Small-Scale Processing Conditions**
Kassim Sulleyman, Primary Author, Abstract Presenter, Submission Contact, Auburn University, Auburn, AL, USA; Gary Sullivan, Author, University of Nebraska Lincoln, Lincoln, NE, USA; Diana Mora-Lee, Author, Universidad De Costa Rica, San José, Costa Rica; Allison Fowle, Author, University of Nebraska-Lincoln, Lincoln, NE, USA; Jordan Wicks, Author, University of Nebraska-Lincoln, Lincoln, NE, USA; Byron Chaves-Elizondo, Author, Rutgers University, New Brunswick, NJ, USA

P3-202 **Baseline *Campylobacter* Concentrations Across Processing Stages and Part Types in Commercial Poultry Operations**
Kassim Sulleyman, Primary Author, Abstract Presenter, Submission Contact, Auburn University, Auburn, AL, USA; Jinquan Wang, Author, Auburn University, Auburn, AL, USA; Rafael Rivera Betancourt, Author, Optimotech, LLC, Grayson, GA, USA; Sabin Poudel, Author, Auburn University, Auburn, AL, USA; Dianna Bourassa, Author, Auburn University, Auburn, AL, USA

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P3-203 Identifying Key Processing Features for *Salmonella* Performance in Finished Raw Chicken Products Using Advanced Statistical Analytics Tools

Yiyi Li, Primary Author, Abstract Presenter, Submission Contact, Dept. of Food Science and Human Nutrition at University of Illinois, Urbana-Champaign, Urbana, IL, USA; Cecil Barnett-Neefs, Author, Dept. of Food Science and Human Nutrition, University of Illinois Urbana-Champaign, Urbana, IL, USA; Stephanie Loaiza Sanchez, Author, University of Illinois at Urbana Champaign, Urbana, IL, USA; Ahmadreza Eslaminia, Author, University of Illinois Urbana-Champaign, Champaign, IL, USA; Raven Ji, Author, University of Illinois, Urbana-Champaign, Champaign, IL, USA; Kevin Atkins, Author, Perdue Foods LLC, King, NC, USA; Matthew Stasiewicz, Author, University of Illinois, Urbana, IL, USA

P3-204 AI-Assisted Quality Assurance for Microbiological Method Performance Metrics Through Model Context Protocol Integration

Kapil Nichani, Primary Author, Submission Contact, QuoData GmbH, Dresden, Germany; Ravinder Reddy, Author, Abstract Presenter, USFDA, Bedford Park, IL, USA; Karina Hettwer, Author, QuoData, Dresden, Germany; Bertrand Colson, Author, QuoData GmbH, Dresden, Germany; Kirstin Frost, Author, QuoData, Dresden, Germany; Anja Schlierf, Author, QuoData GmbH, Dresden, Germany; Kirsten Simon, Author, QD Labs LP, Frankford, DE, USA; Steffen Uhlig, Author, QD Labs LP, Frankford, DE, USA

P3-205 Growth of *B. cereus* and *S. aureus* in Steamed Shredded Wheat

Sarah Pappas, Primary Author, Abstract Presenter, Submission Contact, Mondelez International, East Hanover, NJ, USA; Ruben Chavez, Author, Mondelez International, East Hanover, NJ, USA; Aaron Uesugi, Author, Mondelez International, Columbia, MD, USA; Andrea Maio, Author, Mondelez International, East Hanover, NJ, USA

P3-206 Decoding the Spoilage Suspects of Queso Fresco Using Shotgun Metagenomics

Angela Nguyen, Primary Author, Abstract Presenter, Submission Contact, Merieux NutriSciences, Chicago, IL, USA; Claire Penrose, Author, Merieux NutriSciences, Crete, IL, USA; Cameron Parsons, Author, Merieux NutriSciences, Chicago, IL, USA

P3-207 Towards Understanding Biofilm Development and Control in Food System: Metabolomic Changes in *Burkholderia cepacia* Biofilms After Treatment with Antimicrobial Combination

Yukta Gharat, Primary Author, Abstract Presenter, The Ohio State University, Columbus, OH, USA; Ahmed Yousef, Author, Submission Contact, The Ohio State University, Columbus, OH, USA

P3-208 WITHDRAWN

P3-209 Microbial Dynamics of Vacuum-Packed Beef Patties: Effects of Storage Temperature and Seasonality

Evangelia Tsara, Primary Author, Author, Abstract Presenter, Submission Contact, University of Turin, Turin, Italy; Irene Franciosa, Author, University of Turin, Turin, Italy; Ilario Ferrocino, Author, University of Turin, Turin, Italy; Luca Coccolin, Author, University of Torino, Grugliasco, Italy; Kalliopi Rantsiou, Author, University of Turin, Grugliasco, Italy

P3-210 WITHDRAWN

P3-211 Microbiological Comparison of Pork Loin Preservation Between Two Slaughterhouses in Quebec

Thomas Bachschmidt, Primary Author, Abstract Presenter, Submission Contact, Laval University, Quebec City, Quebec, Canada; Arthur Arnaout, Author, Laval University, Quebec City, Quebec, Canada; Florence Martel, Author, Université Laval, Quebec City, Quebec, Canada; Éric Jubinville, Author, Laval University, Québec, Canada; Valérie Goulet Beaulieu, Author, Laval University, Québec City, Quebec, Canada; Linda Saucier, Author, Université Laval, Québec, Quebec, Canada; Julie Jean, Author, Université Laval, Quebec City, Quebec, Canada; Antony Vincent, Author, Laval University, Quebec City, Quebec, Canada

P3-212 Characterization of *Leuconostoc* Spoilage Strains from an Industrial Sweetened Dairy Production Facility in Mexico

Raquel Adriana Montiel García, Abstract Presenter, Universidad Autónoma de Querétaro, Querétaro, México; Sofía Arvizu-Medrano, Author, Universidad Autónoma de Querétaro, Querétaro, México; Lizbeth Bravo Pantaleón, Author, Universidad Autónoma de Querétaro, Querétaro, México; Angélica Godínez Oviedo, Author, Universidad Autónoma de Querétaro, Querétaro, Querétaro, México; Monserrat Escamilla García, Author, Universidad Autónoma de Querétaro, Querétaro, México; Dalia Miranda-Castilleja, Primary Author, Submission Contact, Universidad Autónoma de Querétaro, Querétaro, México

P3-213 A Food-Triggered Microneedle Platform for Real-Time Spoilage Assessment of Packaged Fish

Akansha Prasad, Primary Author, Abstract Presenter, Submission Contact, McMaster University, Hamilton, Ontario, Canada; Carlos Filipe, Author, McMaster University, Hamilton, Ontario, Canada; Tohid Didar, Author, McMaster University, Hamilton, Ontario, Canada



October 28 - 29, 2026

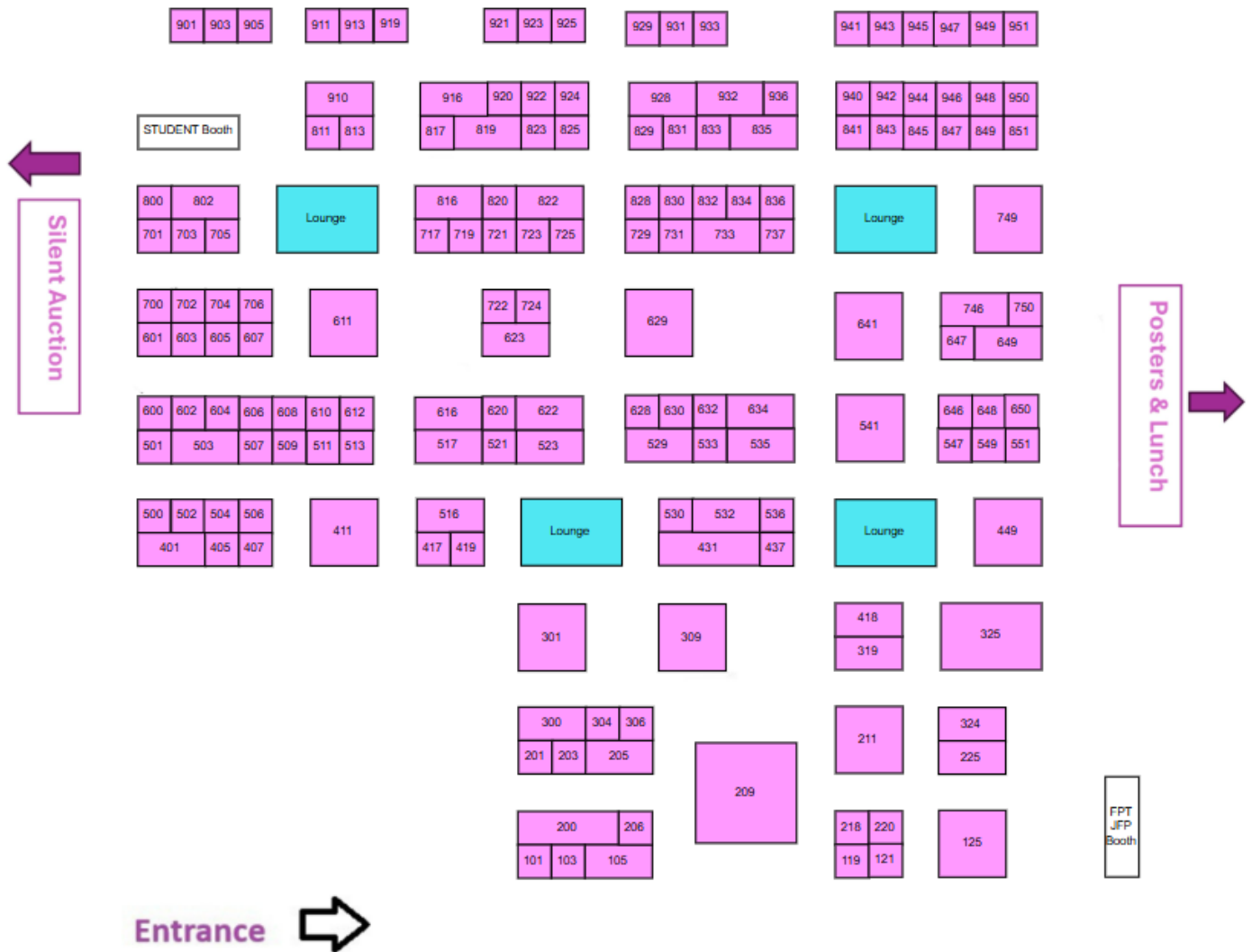
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FOODMicro^{by ICFMH®}

31st International ICFMH Conference 2026 Ljubljana, Slovenia

September 7–10

Dear Colleague,

FOODMicro 2026, the 31st International Conference of the International Committee on Food Microbiology and Hygiene (ICFMH), will take place from 7–10 September 2026 in Ljubljana, Slovenia. Since 1954, FOODMicro has grown into a leading global forum in food microbiology, annually attracting around 500 participants from more than 40 countries.

This year's theme — “Revisiting the Roots: Reviving Hygiene in Advancing Food Microbiology” — bridges the foundations of food hygiene with the latest scientific advances. The four-day programme features plenary lectures, focused sessions on sustainable food production, fermentation, foodborne pathogens, microbiomes, risk assessment, water safety, and biofilms, alongside round tables and project dissemination events. For the first time, ICFMH joins forces with International Association for Food Protection (IAFP) and International Commission on Microbiological Specifications for Foods (ICMSF), bringing together exceptional scientific and global networking opportunities.

We warmly invite you to join FOODMicro 2026, share your expertise, connect with colleagues from academia, industry, and public agencies, and explore the innovations shaping the future of food microbiology and microbial food safety.

Official Language: English.

Web site: <https://foodmicro2026.icfmh.org>

Venue:

Cankarjev dom, Cultural and Congress Centre
Prešernova 10, SI-1000 Ljubljana, Slovenia

The conference venue is the Cultural and Congress Centre, Cankarjev dom, located in the very centre of Ljubljana, the capital of Slovenia. To find out more about the Centre's wide range of services and capacity see <https://www.cd-cc.si/congress>.

Deadlines

Submission of abstracts

April 5, 2026

Acceptance notification

May 29, 2026

Early Bird Registration

June 19, 2026

**We look forward to welcoming you
to this exceptional FOODMicro 2026 in Ljubljana!**

Sincerely,

Prof. Dr. **Andreja Rajkovic**, ICFMH president

Prof. Dr. **Sonja Smole Možina**, Chair of the Programme Committee

Asst. Prof. Dr. **Elizabeta Mičović**, Chair of the Organizing Committee

Prof. Dr. **Peter Raspor**, Honorary President



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No printed media, technical sessions, symposia, posters, seminars, short courses, and/or other related types of forums and discussions offered under the auspices of the International Association for Food Protection (hereafter referred to as to Association forums) are to be used as platforms for commercial sales or presentations by authors and/or presenters (hereafter referred to as authors) without the express permission of the staff or Executive Board. The Association enforces this policy in order to restrict commercialism in technical manuscripts, graphics, oral presentations, poster presentations, panel discussions, symposia papers, and all other type submissions and presentations (here-after referred to as submissions and presentations), so that scientific merit is not diluted by proprietary secrecy.

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The presentation of new technical information is to be encouraged. In addition to the commercialism evaluation, all submissions and presentations will be individually evaluated by the Program Committee chairperson, technical reviewers selected by the Program Committee chairperson, session convenor, and/or staff on the basis of originality before inclusion in the program.

2.2 Substantiating Data

Submissions and presentations should present technical conclusions derived from technical data. If products or services are described, all reported capabilities, features or benefits, and performance parameters must be substantiated by data or by an acceptable explanation as to why the data are unavailable (e.g., incomplete, not collected, etc.) and, if it will become available, when. The explanation for unavailable data will be considered by the Program Committee chairperson and/or technical Policy on Commercialism for Annual Meeting Presentations reviewers selected by the Program Committee chairperson to ascertain if the presentation is acceptable without the data. Serious consideration should be given to withholding submissions and presentations until the data are available, as only those conclusions that might be reasonably drawn from the data may be presented. Claims of benefit and/or technical conclusions not supported by the presented data are prohibited.

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Excessive use of brand names, product names, trade names, and/or trademarks is forbidden. A general guideline is to use proprietary names once and thereafter to use generic descriptors or neutral designations. Where this would make the submission or presentation significantly more difficult to understand, the Program Committee chairperson, technical reviewers selected by the Program Committee chairperson, session convenor, and/or staff, will judge whether the use of trade names, etc., is necessary and acceptable.

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It may be useful to report the extent of application of technologies, products, or services; however, such statements should review the extent of application of all generically similar technologies, products, or services in the field. Specific commercial installations may be cited to the extent that their data are discussed in the submission or presentation.

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Some information about products or services may not be publishable because it is proprietary to the author's agency or company or to the user. However, the scientific principles and validation of performance parameters must be described for such products or services. Conclusions and/or comparisons may be made only on the basis of reported data.

2.7 Capabilities

Discussion of corporate capabilities or experiences are prohibited unless they pertain to the specific presented data.

3. GRAPHICS

3.1 Purpose

Slides, photographs, videos, illustrations, art work, and any other type visual aids appearing with the printed text in submissions or used in presentations (hereafter referred to as graphics) should be included only to clarify technical points. Graphics which primarily promote a product or service will not be allowed. (See also 4.6.)

3.2 Source

Graphics should relate specifically to the technical presentation. General graphics regularly shown in, or intended for, sales presentations cannot be used.

POLICY ON COMMERCIALISM FOR ANNUAL MEETING PRESENTATIONS

3.3 Company Identification

Names or logos of agencies or companies supplying goods or services must not be the focal point of the slide. Names or logos may be shown on each slide so long as they are not distracting from the overall presentation.

3.4 Copies

Graphics that are not included in the preprint may be shown during the presentation only if they have been reviewed in advance by the Program Committee chairperson, session convenor, and/or staff, and have been determined to comply with this policy. Copies of these additional graphics must be available from the author on request by individual attendees. It is the responsibility of the session convenor to verify that all graphics to be shown have been cleared by Program Committee chairperson, session convenor, staff, or other reviewers designated by the Program Committee chairperson.

4.5 Enforcement

While technical reviewers, session convenors, and/or staff may all check submissions and presentations for commercialism, ultimately it is the responsibility of the Program Committee chairperson to enforce this policy through the session convenors and staff.

4.6 Penalties

If the author of a submission or presentation violates this policy, the Program Committee chairperson will notify the author and the author's agency or company of the violation in writing. If an additional violation or violations occur after a written warning has been issued to an author and his agency or company, the Association reserves the right to ban the author and the author's agency or company from making presentations in the Association forums for a period of up to two (2) years following the violation or violations.

4. INTERPRETATION AND ENFORCEMENT

4.1 Distribution

This policy will be sent to all authors of submissions and presentations in the Association forums.

4.2 Assessment Process

Reviewers of submissions and presentations will accept only those that comply with this policy. Drafts of submissions and presentations will be reviewed for commercialism concurrently by both staff and technical reviewers selected by the Program Committee chairperson. All reviewer comments shall be sent to and coordinated by either the Program Committee chairperson or the designated staff. If any submissions are found to violate this policy, authors will be informed and invited to resubmit their materials in revised form before the designated deadline.

4.3 Author Awareness

In addition to receiving a printed copy of this policy, all authors presenting in a forum will be reminded of this policy by the Program Committee chairperson, their session convenor, or the staff, whichever is appropriate.

4.4 Monitoring

Session convenors are responsible for ensuring that presentations comply with this policy. If it is determined by the session convenor that a violation or violations have occurred or are occurring, he or she will publicly request that the author immediately discontinue any and all presentations (oral, visual, audio, etc.) and will notify the Program Committee chairperson and staff of the action taken.

DEVELOPING SCIENTIST COMPETITORS AND UNDERGRADUATE STUDENT AWARD COMPETITORS

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IAFP 2026 WORKSHOPS



THURSDAY, JULY 23; FRIDAY, JULY 24; AND SATURDAY, JULY 25 (8:30 A.M. – 5:00 P.M.)

Workshop 1 CFS Hygienic Design Certification

Workshop 2 Demystifying Dry Cleaning: When, How, and Why of Dry Cleaning and Sanitizing (Disinfecting)

Workshop 3 Selecting and Validating Pathogen Reduction Process for Low-Moisture Foods and Ingredients

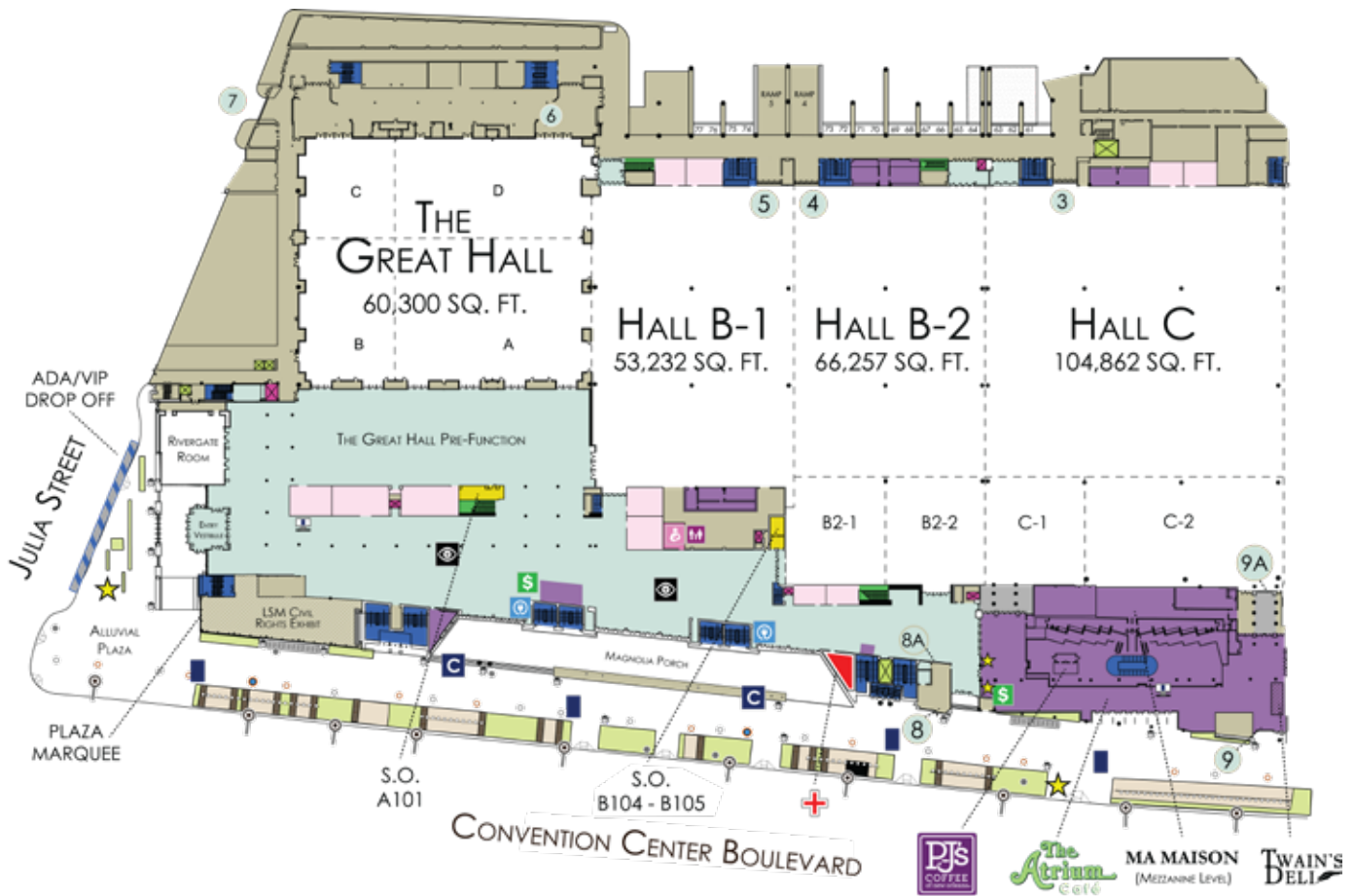
SATURDAY, JULY 25 (8:30 A.M. – 5:00 P.M.)

Workshop 4 Advancing Best Practices for Sanitation Validation Technologies

Workshop 5 Building an AI Culture in Food Safety: Practical Use Cases for Professionals

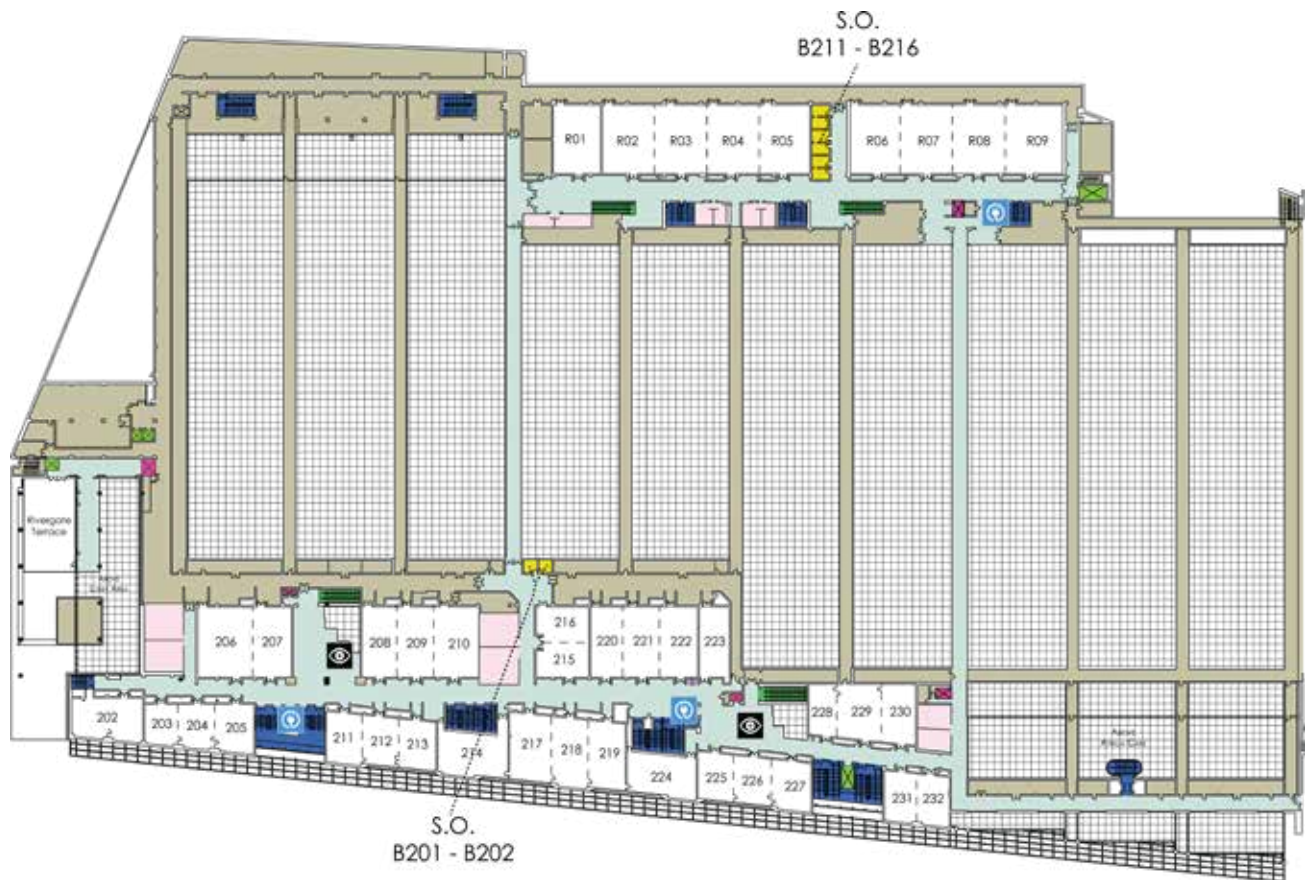
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PAST ANNUAL MEETINGS AND LOCATIONS

1912 – Milwaukee, WI	1941 – Tulsa, OK	1970 – Cedar Rapids, IA	1999 – Dearborn, MI
1913 – Chicago, IL	1942 – St. Louis, MO	1971 – San Diego, CA	2000 – Atlanta, GA
1914 – Chicago, IL	1943 – Cancelled	1972 – Milwaukee, WI	2001 – Minneapolis, MN
1915 – Washington, D.C.	1944 – Chicago, IL	1973 – Rochester, NY	2002 – San Diego, CA
1916 – Springfield, MA	1945 – Cancelled	1974 – St. Petersburg, FL	2003 – New Orleans, LA
1917 – Washington, D.C.	1946 – Atlantic City, NJ	1975 – Toronto, Ontario	2004 – Phoenix, AZ
1918 – Chicago, IL	1947 – Milwaukee, WI	1976 – Arlington Heights, IL	2005 – Baltimore, MD
1919 – New York, NY	1948 – Philadelphia, PA	1977 – Sioux City, IA	2006 – Calgary, Alberta
1920 – Chicago, IL	1949 – Columbus, OH	1978 – Kansas City, MO	2007 – Lake Buena Vista, FL
1921 – New York, NY	1950 – Atlantic City, NJ	1979 – Orlando, FL	2008 – Columbus, OH
1922 – St. Paul, MN	1951 – Glenwood Springs, CO	1980 – Milwaukee, WI	2009 – Grapevine, TX
1923 – Washington, D.C.	1952 – Milwaukee, WI	1981 – Spokane, WA	2010 – Anaheim, CA
1924 – Detroit, MI	1953 – East Lansing, MI	1982 – Louisville, KY	2011 – Milwaukee, WI
1925 – Indianapolis, IN	1954 – Atlantic City, NJ	1983 – St. Louis, MO	2012 – Providence, RI
1926 – Philadelphia, PA	1955 – Augusta, GA	1984 – Edmonton, Alberta	2013 – Charlotte, NC
1927 – Toronto, Ontario	1956 – Seattle, WA	1985 – Nashville, TN	2014 – Indianapolis, IN
1928 – Chicago, IL	1957 – Louisville, KY	1986 – Minneapolis, MN	2015 – Portland, OR
1929 – Memphis, TN	1958 – New York, NY	1987 – Anaheim, CA	2016 – St. Louis, MO
1930 – Cleveland, OH	1959 – Glenwood Springs, CO	1988 – Tampa, FL	2017 – Tampa, FL
1931 – Montreal, Quebec	1960 – Chicago, IL	1989 – Kansas City, MO	2018 – Salt Lake City, UT
1932 – Detroit, MI	1961 – Des Moines, IA	1990 – Arlington Heights, IL	2019 – Louisville, KY
1933 – Indianapolis, IN	1962 – Philadelphia, PA	1991 – Louisville, KY	2020 – Virtual
1934 – Boston, MA	1963 – Toronto, Ontario	1992 – Toronto, Ontario	2021 – Phoenix, AZ
1935 – Milwaukee, WI	1964 – Portland, OR	1993 – Atlanta, GA	2022 – Pittsburgh, PA
1936 – Atlantic City, NJ	1965 – Hartford, CT	1994 – San Antonio, TX	2023 – Toronto, Ontario
1937 – Louisville, KY	1966 – Minneapolis, MN	1995 – Pittsburgh, PA	2024 – Long Beach, CA
1938 – Cleveland, OH	1967 – Miami Beach, FL	1996 – Seattle, WA	2025 – Cleveland, OH
1939 – Jacksonville, FL	1968 – St. Louis, MO	1997 – Orlando, FL	
1940 – New York, NY	1969 – Louisville, KY	1998 – Nashville, TN	

FUTURE ANNUAL MEETINGS

IAFP 2027

July 18–21

Kansas City, Missouri

IAFP 2028

July 23–26

Charlotte, North Carolina

IAFP 2029

July 22–25

Denver, Colorado