

2025 - 61st ANNUAL NORTH AMERICAN CHEMICAL RESIDUE WORKSHOP

MEETING PROGRAM

Sunday, July 27, 2025

1:00 - 6:00 pm	Registration	Registration Booth, Meeting Level
1:00 - 5:00 pm	Exhibitor set-up	Carolina Ballroom
2:00 - 3:30 pm	NACRW Veterinary Drugs Working Group At-Large Meeting Chairs: Eric Verdon and Sherri Turnipseed	Colonial Ballroom
VDWG-01	Robin Kämpf & Maiwenn Le Floch Advances with Round 2 of the Collaborative Study for VMPR in Fish and Honey Extracts	
VDWG-02	Steven Lehotay Identification and Confirmation of Veterinary Drug Residues in Cattle Claimed to be Raised without Antibiotics	
VDWG-03	Lalin Theverapperuma Automating Contaminant Screening and Veterinary Drug Analysis with MRM	
4:00 - 5:30 pm	Interactive Seminar with Michelangelo Anastassiades (EURL-SRM): Analysis of Pesticides Entailing Esters and/or Conjugates in their Residue Definition Moderator: Simon Hird	Colonial Ballroom
3:00 - 6:00 pm	Poster Board set-up	Carolina Pre-function B

Monday, July 28, 2025

7:00 - 9:30 am	Poster Board set-up	Carolina Pre-function B
7:15 - 8:15 am	Waters Corp. Vendor Seminar (<i>pre-registration required</i>)	Gold Ballroom, 2nd level
7:30 am - 5:00 pm	Registration	Registration Booth
7:45 - 8:15 am	Early Morning Coffee	Carolina Pre-function A
8:20 - 8:45 am	Opening Remarks	Colonial Ballroom, lobby level
8:20 - 8:35 am	Sherry Garriss, Chair, FLAG Works, Inc. Board of Directors	
8:35 - 8:40 am	Matt Noestheden, 2025 NACRW President	
8:40 - 8:45 am	Lukas Vaclavik and Kai Zhang, 2025 NACRW Program Co-Chairs	
8:45 - 10:45 am	SESSION 1: Keynote Symposium: Modern Methods for Analysis of Chemical Residues Chair: Michelangelo Anastassiades	Colonial Ballroom, lobby level
8:45 – 9:30 am O-01 Keynote	Steven Lehotay, USDA Agricultural Research Service, Wyndmoor, PA, USA Doing More with Less: Mega-Methods Can Better Meet Monitoring Needs	

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9:30 – 9:50 am O-02	Sarah King, Eurofins Central Analytical Laboratories, New Orleans, LA, USA Overcoming Challenges in Residual Pesticide Analysis in Complex Matrices	
9:50 – 10:10 am O-03	Ally Fairman, Now Foods, Carol Stream, IL, USA Efficient and Effective Automated LC/GC-MS Sample Preparation Workflow for Multi-Residue Pesticide Analysis in Difficult Matrices	
10:10 – 10:30 am O-04	Jon Wong, US FDA, Human Foods Program, College Park, MD, USA Non-Target Data Acquisition for Target Analysis (nDATA) Workflow for the Analysis of 1087 Pesticides in Fresh Produce using Liquid Chromatography-High Resolution Accurate Mass Spectrometry with a Compound Database	
10:30 – 10:45 am	Q and A for Session 1	
10:45 - noon	Exhibition and Poster Opening	Carolina Ballroom
11:00 am – 12 noon	Poster Session A (authors present for odd #s)	Carolina Pre-function B
12 noon	Lunch on your own	
12:15 - 1:15 pm	Agilent Vendor Seminar (pre-registration required)	Gold Ballroom, 2 nd level
1:30 - 3:10 pm	SESSION 2: Advanced Approaches and Tools for Residue and Contaminant Analysis Co-Chairs: Jon Wong, Jian Wang, and Willis Chow	Colonial Ballroom, lobby level
1:30 – 1:50 pm O-05	Amy Cuthbertson, National Institute of Standards and Technology, Charleston, SC, USA Non-Target Analysis of Standard Reference Materials	
1:50 – 2:10 pm O-06	Laura Basirico, Louisiana State University, Baton Rouge, LA, USA Screening the Photodegradation Potential for Chemicals in Seawater vs. Freshwater: The Case of Diketones and Triketones	
2:10 – 2:30 pm O-07	Paulo Barci, Bayer Crop Science LATAM, São Paulo, Brazil Challenges and Solutions in Pesticide Residue Regulatory Studies	
2:30 – 2:50 pm O-08	Evan Walters, Biotage, Salem, NH, USA Optimization Parameters for Streamlining Sample Processing in Food and Agriculture Testing	
2:50 – 3:10 pm O-09	Ed George, Thermo Fisher Scientific, San Jose, CA, USA A Novel High Resolution Mass Spectrometry (HRMS) Quantitative Workflow for Pesticides in Food Designed for the Chromatographer and Easy to Use	
3:10 - 3:40 pm	BREAK- Exhibition & Posters (authors present for even #s)	Carolina Pre-function B

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3:40 - 4:55 pm	SESSION 3: <i>sponsored by</i>  Advances in Natural Toxin Analysis Co-Chairs: Weili Xiong and Jon Wong	Colonial Ballroom, lobby level
3:40-3:45 pm	Session Sponsorship – SCIEX	
3:45 – 4:05 pm O-10	Zhao Jin, North Dakota State University, Fargo, ND, USA High-Throughput Analysis of Fusarium-Produced Mycotoxins in Barley and Wheat and Fusarium Damaged Kernels	
4:05 – 4:25 pm O-11	Katherine Fiedler, US FDA, Human Foods Program, College Park, MD, USA Validation of a LC-MS/MS Method for the Quantification of Morphine, Codeine, and Thebaine on Poppy Seeds	
4:25 – 4:45 pm O-12	Holly Lee, SCIEX, Concord, Ontario, Canada Quantitation of Mycotoxins and Tropane Alkaloids in Food Using the Next-Generation SCIEX 7500+ System	
4:45 – 5:05 pm	Q and A for Session 3	
6:30 - 8:00 pm	Welcome Reception, Exhibit Hall	Carolina Ballroom

Tuesday, July 29, 2025

7:15 - 8:15 am	Thermo Fisher Scientific Vendor Seminar (<i>pre-registration required</i>)	Gold Ballroom
8:00 am - 4:00 pm	Registration	Registration Booth
8:00 am - 8:30 am	Early Morning Coffee	Carolina Pre-function A
8:45 - 10:45 am	SESSION 4: <i>sponsored by</i>  Chemical Residue Surveillance with Mass Spectrometry Multi-Methods: Targeted versus Suspect Screening/ Non-Targeted Modes as a New Paradigm Co-Chairs: Eric Verdon and Sherri Turnipseed	Colonial Ballroom, lobby level
8:45 – 8:50 am	Session Sponsorship – Restek Corporation	
8:50 – 9:15 am O-13	Ian Kelleher, Department of Agriculture Ireland, Kildare, Ireland Quantitative Screening of Antimicrobials in Muscle, Milk and Eggs by LC-HRMS	
9:15 – 9:40 am O-14	Maiwenn Le Floch, ANSES, the French Agency for Food, Environmental and Occupational Health & Safety, Brittany, France Outcomes of the International Collaborative Study Running the Comparative Use of LR-MS/MS and HR-MS(/MS) Multi-Class VDR Methods in Meat and Milk Extracts	
9:40 – 10:05 am O-15	Jared Ragland, National Institute of Standards and Technology, Charleston, SC, USA Database Infrastructure for Mass Spectrometry (DIMSpec): Expanding Mass Spectral Libraries into Non-Targeted Spaces	

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10:05 – 10:30 am O-16	Sarah Dowd, Waters Corporation, Milford, MA, USA Non-Targeted Analysis of Environmental Pollutants Using High Resolution Mass Spectrometry, Ion Mobility, and Pattern Analysis	
10:30 – 10:45 am	Q and A for Session 4	
10:45 - noon	Exhibition and Posters	Carolina Ballroom
11:00 - noon	Poster Session B (<i>authors present for even #s</i>)	Carolina Pre-function B
12 noon	Lunch on your own	
12:15 - 1:15 pm	Restek Vendor Seminar (<i>pre-registration required</i>)	Gold Ballroom, 2 nd level
1:30 - 3:10 pm	SESSION 5: <i>sponsored by</i>  Agilent PFAS Analysis in Food, Consumer Products, and the Environment Co-Chairs: Susan Genualdi and Jessica Reiner	Carolina Ballroom
1:30 – 1:35 pm	Session Sponsorship – Agilent Technologies	
1:35 – 1:55 pm O-17	Pingping Meng, East Carolina University, Greenville, NC, USA Residential Garden Produce Harvested Near a Fluorochemical Manufacturer in North Carolina Can Be an Important Fluoroether Exposure Pathway	
1:55 – 2:15 pm O-18 and S-105	Maria Guerra de Navarro, Florida International University, Fort Lauderdale, FL, USA Evaluation of Per- and Polyfluoroalkyl Substances (PFAS) in Ambient Air at Biscayne Bay Campus Miami, FL	
2:15 – 2:35 pm O-19	Katherine Carlos, US FDA, Human Foods Program, College Park, MD, USA A Hydrolysis-DART-ID-HRMS Screening Method for 6:2 Fluorotelomer Alcohol Grease-proofer Coatings: Development and Market Occurrence Data	
2:35 – 2:55 pm O-20	Alexis Shelow, Restek, Bellefonte, PA, USA From Sample to Solution: Advancing PFAS Matrix Cleanup with Sample Preparation	
2:55 – 3:10 pm	Q and A for Session 5	
3:10 - 3:55 pm	BREAK- Exhibition & Posters (<i>authors present for odd #s</i>)	Carolina Ballroom

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4:00 - 5:00 pm	SESSION 6: Young Scientists in Action: Advancing Contaminant and Residue Analysis Co-Chairs: Katie Carlos and Karl Oetjen	Colonial Ballroom, lobby level
4:00-4:10 pm S-101	Tian Sun, North Dakota State University, Fargo, ND, USA Quantifying Fusarium Damaged Kernels of Barley Using Hyperspectral Imaging and Machine Learning	
4:10-4:20 pm S-102	Chaofan Sun, North Dakota State University, Fargo, ND, USA Deoxynivalenol Production, its transformation of Deoxynivalenol-3-Glucoside, and the Gene Expression	
4:20-4:30 pm S-103	Han Le, University of Texas at Arlington, Arlington, TX, USA The Analysis of Odorous Compounds in Waste Handling Operations Using Gas Chromatography and Air Samp	
4:30-4:40 pm S-104	Maggie Knight, College of Charleston, Charleston, SC, USA A New Method to Detect Phthalate Metabolites in the Blubber of Common Bottlenose Dolphins	
4:40-4:50 pm S-106	Trent Wilkerson, Ramstein High School, Ramstein, Germany Regulatory Uncertainty and Pesticide Residues in U.S. Foods: QuEChERS Analysis	
5:00 - 6:00 pm	NACRW Organizing Committee Meeting <i>open to all attendees</i>	Colonial Ballroom, lobby level

Wednesday, July 30, 2025

7:15 - 8:15 am	LGC Standards Vendor Seminar (<i>pre-registration required</i>)	Gold Ballroom, 2 nd level
7:45 am - noon	Registration	Registration Booth
7:45 - 8:15 am	Early Morning Coffee	Carolina Pre-function A
8:30 - 10:45 am O-21	SESSION 7: Interactive Seminar with Michelangelo Anastassiades (EURL-SRM): Developments in Single Residue Methods Moderator: Simon Hird	Colonial Ballroom, lobby level
10:45 - noon	BREAK (Exhibition & Posters)	Carolina Ballroom
12:00 - 1:00 pm	SCIEX Vendor Seminar (<i>pre-registration required</i>)	Gold Ballroom, 2 nd level
1:05 - 2:45 pm	SESSION 8: The Design and Development of Reference Materials Co-Chairs: Dan Biggerstaff and HuiChen Stavros	Colonial Ballroom, lobby level
1:05 – 1:25 pm O-22	Jacolin Murray, National Institute of Standards and Technology, Gaithersburg, MD, USA Reference Materials: Why, When, and How	

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1:25 – 1:45 pm O-23	Lei Zhang, Alta Scientific, Woburn, MA, USA Preparation of Biotxin RMs and Multi-Organic-Component Mixed-Standard-Solutions	
1:45 – 2:05 pm O-24	Carolyn Burdette, National Institute of Standards and Technology, Charleston, SC, USA NIST Reference Material Life Cycle	
2:05 – 2:25 pm O-25	HuiChen Stavros, O2si Smart Solutions an LGC Standards Company, North Charleston, SC, USA Long Term Stability Testing and Shelf-Life Determination in Reference Material Design	
2:25 – 2:45 pm	Q and A for Session	
2:45 - 3:15 pm	BREAK	Carolina Pre-function A
3:15 - 4:55 pm	SESSION 9: <i>sponsored by</i>  Advanced Mass Spectrometry Applications for Trace Residues Chair: Scott Krepich	Colonial Ballroom, lobby level
3:15 – 3:20 pm	Session Sponsorship – Thermo Fisher Scientific	
3:20 – 3:40 pm O-26	Weili Xiong, US FDA, Human Foods Program, College Park, MD, USA Development and Validation of an LC-HRMS Method for the Quantification of Cardiac Glycosides in Botanical Products	
3:40 – 4:00 pm O-27	Lorna De Leoz, Agilent Technologies, Wilmington, DE, USA Evaluating System Robustness of a High-Sensitivity Triple Quadrupole LC/MS for PFAS Analysis in Food Matrix Over an Extended Period	
4:00 – 4:20 pm O-28	Julie Brunkhorst, Trilogy Analytical Laboratory, Washington, MO, USA Multi-Mycotoxin Analysis in Cereals and Toddler Food Using a High-End Triple Quadrupole Mass Spectrometer	
4:20 – 4:40 pm O-29	Yoshiro Hiramatsu, Shimadzu Scientific Instrument, Columbia, MD, USA Demonstration of Automated Sample Introduction for Neutral PFAS Using GC-MS and GC-MS/MS to Reduce Sample Preparation	
4:40 – 5:00 pm	Q and A for Session 9	
5:00 - 5:15 pm	Poster Awards and Closing	Colonial Ballroom, lobby level