

# 2025 NACRW Program DRAFT as of 06-03-25

## Sunday, July 27, 2025

1:00 - 6:00 pm	Registration	Registration Booth
1:00 - 5:00 pm	Exhibitor set-up	Carolina Ballroom
2:00 - 3:30 pm	<b>NACRW Veterinary Drugs Working Group At-Large Meeting</b> 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	<b>Interactive Seminar with Michelangelo Anastassiades (EURL-SRM): Analysis of Pesticides Entailing Esters and/or Conjugates in their Residue Definition</b> Moderator: Simon Hird	Colonial Ballroom
3:00 - 6:00 pm	Poster Board set-up	Carolina Pre-function B
6:30 - 7:30 pm	<b>tentative-Vendor Seminar</b> ( <i>pre-registration required</i> )	Gold Ballroom, 2 <sup>nd</sup> level

## Monday, July 28, 2025

7:00 - 9:30 am	Poster Board set-up	Carolina Pre-function B
7:15 - 8:15 am	<b>Waters Corp. Vendor Seminar</b> ( <i>pre-registration required</i> )	Gold Ballroom, 2 <sup>nd</sup> 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	<b>Opening Remarks</b>	Colonial Ballroom, lobby level
8:20 - 8:35 am	Sherry Garris, 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: <b>Keynote Symposium: Modern Methods for Analysis of Chemical Residues</b> Chair: Michelangelo Anastassiades	Colonial Ballroom, lobby level
8:45 – 9:30 am	Steven Lehotay, USDA Agricultural Research Service, Wyndmoor, PA, USA	
O-01 Keynote Speaker	<b>Doing More with Less: Mega-Methods Can Better Meet Monitoring Needs</b>	
9:30 – 9:50 am	Sarah King, Eurofins Central Analytical Laboratories, New Orleans, LA, USA	
O-02	<b>Overcoming Challenges in Residual Pesticide Analysis in Complex Matrices</b>	
9:50 – 10:10 am	Ally Fairman, Now Foods, Carol Stream, IL, USA	
O-03	<b>Efficient and Effective Automated LC/GC-MS Sample Preparation Workflow for Multi-Residue Pesticide Analysis in Difficult Matrices</b>	

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10:10 – 10:30 am O-04	<b>Jon Wong</b> , US FDA, Human Foods Program, College Park, MD, USA <b>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</b>	
10:30 – 10:45 am	<b>Q and A for Session 1</b>	
10:45 - noon	<b>Exhibition and Poster Opening</b>	<b>Carolina Ballroom</b>
11:00 am - noon	<b>Poster Session A (authors present for odd #s)</b>	<b>Carolina Pre-function B</b>
12 noon	<b>Lunch on your own</b>	
12:15 - 1:15 pm	<b>Agilent Vendor Seminar</b> ( <i>pre-registration required</i> )	<b>Gold Ballroom, 2<sup>nd</sup> level</b>
1:30 - 3:10 pm	<b>SESSION 2:</b> <b>Advanced Approaches and Tools for Residue and Contaminant Analysis</b> <b>Co-Chairs: Jon Wong, Jian Wang, and Willis Chow</b>	<b>Colonial Ballroom, lobby level</b>
1:30 – 1:50 pm O-05	<b>Amy Cuthbertson</b> , National Institute of Standards and Technology, Charleston, SC, USA <b>Non-Target Analysis of Standard Reference Materials</b>	
1:50 – 2:10 pm O-06	<b>Laura Basirico</b> , Louisiana State University, Baton Rouge, LA, USA <b>Screening the Photodegradation Potential for Chemicals in Seawater vs. Freshwater: The Case of Diketones and Triketones</b>	
2:10 – 2:30 pm O-07	<b>Paulo Barci</b> , Bayer Crop Science LATAM, São Paulo, Brazil <b>Challenges and Solutions in Pesticide Residue Regulatory Studies</b>	
2:30 – 2:50 pm O-08	<b>Evan Walters</b> , Biotage, Salem, NH, USA <b>Optimization Parameters for Streamlining Sample Processing in Food and Agriculture Testing</b>	
2:50 – 3:10 pm O-09	<b>Ed George</b> , Thermo Fisher Scientific, San Jose, CA, USA <b>A Novel High Resolution Mass Spectrometry (HRMS) Quantitative Workflow for Pesticides in Food Designed for the Chromatographer and Easy to Use</b>	
3:10 - 3:40 pm	<b>BREAK- Exhibition &amp; Posters (authors present for even #s)</b>	<b>Carolina Pre-function B</b>
3:40 - 4:55 pm	<b>SESSION 3:</b> <b>Advances in Natural Toxin Analysis</b> <b>Co-Chairs: Weili Xiong and Jon Wong</b>	<b>Colonial Ballroom, lobby level</b>
3:40 – 4:00 pm O-10	<b>Zhao Jin</b> , North Dakota State University, Fargo, ND, USA <b>High-Throughput Analysis of Fusarium-Produced Mycotoxins in Barley and Wheat and Fusarium Damaged Kernels</b>	
4:00 – 4:20 pm O-11	<b>Katherine Fiedler</b> , US FDA, Human Foods Program, College Park, MD, USA <b>Validation of a LC-MS/MS Method for the Quantification of Morphine, Codeine, and Thebaine on Poppy Seeds</b>	
4:20 – 4:40 pm O-12	<b>Holly Lee</b> , SCIEX, Concord, Ontario, Canada <b>Quantitation of Mycotoxins and Tropane Alkaloids in Food Using the Next-Generation SCIEX 7500+ System</b>	
4:40 – 4:55 pm	<b>Q and A for Session 3</b>	

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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** (*pre-registration required*) **Gold Ballroom, 2<sup>nd</sup> level**

**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: *sponsored by Restek Corporation***  
**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 – 9:10 am** **Ian Kelleher**, Department of Agriculture Ireland, Kildare, Ireland  
**O-13** **Quantitative Screening of Antimicrobials in Muscle, Milk and Eggs by LC-HRMS**

**9:10 – 9:35 am** **Maiwenn Le Floch**, ANSES, the French Agency for Food, Environmental and Occupational Health & Safety, Brittany, France  
**O-14** **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**

**9:35 – 10:00 am** **Jared Ragland**, National Institute of Standards and Technology, Charleston, SC, USA  
**O-15** **Database Infrastructure for Mass Spectrometry (DIMSpec): Expanding Mass Spectral Libraries into Non-Targeted Spaces**

**10:00 – 10:25 am** **Sarah Dowd**, Waters Corporation, Milford, MA, USA  
**O-16** **Non-Targeted Analysis of Environmental Pollutants Using High Resolution Mass Spectrometry, Ion Mobility, and Pattern Analysis**

**10:25 – 10:45 am** **Q and A for Session 4**

**10:45 - noon** Exhibition and Posters **Carolina Ballroom**

**11:00 - noon** **Poster Session B** (*authors present for even #s*) **Carolina Pre-function B**

**12 noon** Lunch on your own

**12:15 - 1:15 pm** **Restek Vendor Seminar** (*pre-registration required*) **Gold Ballroom, 2<sup>nd</sup> level**

**1:30 - 3:10 pm** **SESSION 5: *sponsored by Agilent Technologies***  
**PFAS Analysis in Food, Consumer Products, and the Environment**  
**Co-Chairs: Susan Genualdi and Jessica Reiner**  
**Carolina Ballroom**

**1:30 – 1:50 pm** **Pingping Meng**, East Carolina University, Greenville, NC, USA  
**O-17** **Residential Garden Produce Harvested Near a Fluorochemical Manufacturer in North Carolina Can Be an Important Fluoroether Exposure Pathway**

**1:50 – 2:10 pm** **Maria Guerra de Navarro**, Florida International University, Fort Lauderdale, FL, USA  
**O-18 and S-105** **Evaluation of Per- and Polyfluoroalkyl Substances (PFAS) in Ambient Air at Biscayne Bay Campus Miami, FL**

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2:10 – 2:30 pm O-19	<b>Katherine Carlos</b> , US FDA, Human Foods Program, College Park, MD, USA <b>A Hydrolysis-DART-ID-HRMS Screening Method for 6:2 Fluorotelomer Alcohol Grease-proofer Coatings: Development and Market Occurrence Data</b>	
2:30 – 2:50 pm O-20	<b>Alexis Shelow</b> , Restek, Bellefonte, PA, USA <b>From Sample to Solution: Advancing PFAS Matrix Cleanup with Sample Preparation</b>	
2:50 – 3:10 pm	<b>Q and A for Session 5</b>	
3:10 - 3:55 pm	<b>BREAK- Exhibition &amp; Posters (authors present for odd #s)</b>	<b>Carolina Ballroom</b>
4:00 - 5:00 pm	<b>SESSION 6:</b> <b>Young Scientists in Action: Advancing Contaminant and Residue Analysis</b> Co-Chairs: <b>Katie Carlos and Karl Oetjen</b>	<b>Colonial Ballroom, lobby level</b>
4:00-4:10 pm S-101	<b>Tian Sun</b> , North Dakota State University, Fargo, ND, USA <b>Quantifying Fusarium Damaged Kernels of Barley Using Hyperspectral Imaging and Machine Learning</b>	
4:10-4:20 pm S-102	<b>Chaofan Sun</b> , North Dakota State University, Fargo, ND, USA <b>Deoxynivalenol Production, its transformation of Deoxynivalenol-3-Glucoside, and the Gene Expression</b>	
4:20-4:30 pm S-103	<b>Han Le</b> , University of Texas at Arlington, Arlington, TX, USA <b>The Analysis of Odorous Compounds in Waste Handling Operations Using Gas Chromatography and Air Samp</b>	
4:30-4:40 pm S-104	<b>Maggie Knight</b> , College of Charleston, Charleston, SC, USA <b>A New Method to Detect Phthalate Metabolites in the Blubber of Common Bottlenose Dolphins</b>	
4:40-4:50 pm S-106	<b>Trent Wilkerson</b> , Ramstein High School, Ramstein, Germany <b>Regulatory Uncertainty and Pesticide Residues in U.S. Foods: QuEChERS Analysis</b>	
5:00 - 6:00 pm	<b>NACRW Organizing Committee Meeting</b> <i>open to all attendees</i>	<b>Colonial Ballroom, lobby level</b>

## Wednesday, July 30, 2025

7:15 - 8:15 am	<b>LGC Standards Vendor Seminar</b> ( <i>pre-registration required</i> )	<b>Gold Ballroom, 2<sup>nd</sup> level</b>
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	<b>SESSION 7:</b> <b>Interactive Seminar with Michelangelo Anastassiades (EURL-SRM): Developments in Single Residue Methods</b> Moderator: <b>Simon Hird</b>	<b>Colonial Ballroom, lobby level</b>
10:45 - noon	<b>BREAK (Exhibition &amp; Posters)</b>	<b>Carolina Ballroom</b>

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12:00 - 1:00 pm	<b>SCIEX Vendor Seminar</b> ( <i>pre-registration required</i> )	<b>Gold Ballroom, 2<sup>nd</sup> level</b>
1:05 - 2:45 pm	<b>SESSION 8:</b> <b>The Design and Development of Reference Materials</b> Co-Chairs: Dan Biggerstaff and HuiChen Stavros	<b>Colonial Ballroom, lobby level</b>
1:05 – 1:25 pm	Jacolin Murray, National Institute of Standards and Technology, Gaithersburg, MD, USA	
O-22	<b>Reference Materials: Why, When, and How</b>	
1:25 – 1:45 pm	Lei Zhang, Alta Scientific, Woburn, MA, USA	
O-23	<b>Preparation of Biotxin RMs and Multi-Organic-Component Mixed-Standard-Solutions</b>	
1:45 – 2:05 pm	Carolyn Burdette, National Institute of Standards and Technology, Charleston, SC, USA	
O-24	<b>NIST Reference Material Life Cycle</b>	
2:05 – 2:25 pm	HuiChen Stavros, O2si Smart Solutions an LGC Standards Company, North Charleston, SC, USA	
O-25	<b>Long Term Stability Testing and Shelf-Life Determination in Reference Material Design</b>	
2:25 – 2:45 pm	Q and A for Session 8	
2:45 - 3:15 pm	<b>BREAK</b>	<b>Carolina Pre-function A</b>
3:15 - 4:55 pm	<b>SESSION 9:</b> <i>sponsored by Thermo Fisher Scientific</i> <b>Advanced Mass Spectrometry Applications for Trace Residues</b> Chair: Scott Krepich	<b>Colonial Ballroom, lobby level</b>
3:15 – 3:35 pm	Weili Xiong, US FDA, Human Foods Program, College Park, MD, USA	
O-26	<b>Development and Validation of an LC-HRMS Method for the Quantification of Cardiac Glycosides in Botanical Products</b>	
3:35 – 3:55 pm	Lorna De Leoz, Agilent Technologies, Wilmington, DE, USA	
O-27	<b>Evaluating System Robustness of a High-Sensitivity Triple Quadrupole LC/MS for PFAS Analysis in Food Matrix Over an Extended Period</b>	
3:55 – 4:15 pm	Julie Brunkhorst, Trilogy Analytical Laboratory, Washington, MO, USA	
O-28	<b>Multi-Mycotoxin Analysis in Cereals and Toddler Food Using a High-End Triple Quadrupole Mass Spectrometer</b>	
4:15 – 4:35 pm	Yoshiro Hiramatsu, Shimadzu Scientific Instrument, Columbia, MD, USA	
O-29	<b>Demonstration of Automated Sample Introduction for Neutral PFAS Using GC-MS and GC-MS/MS to Reduce Sample Preparation</b>	
4:35 – 4:55 pm	Q and A for Session 9	
4:55 - 5:10 pm	Poster Awards and Closing	<b>Colonial Ballroom, lobby level</b>