

# 2023 NACRW Program

DRAFT as of 6-28-23

## Sunday, July 23, 2023

8:00 am-4:00 pm	<b>Short Course:</b> <b>"Squeezing more out of Laboratory Analyses with QA/QC"</b> Dr. Jens Andersen, Department of Chemical and Forensic Sciences, Botswana International University of Science and Technology, Palapye, Botswana	<b>Key West/Palm Beach</b>
12 noon-6:00 pm	<b>Registration</b>	<b>Caribbean Foyer</b>
1:00-5:00 pm	<b>Exhibitor set-up</b>	<b>Grand Ballroom E-K</b>
3:00 - 6:00 pm	<b>Poster Board set-up</b>	<b>Grand Ballroom</b>
1:00-2:30 pm	<b>NACRW Reference Materials Working Group</b> <b>Developing Guidelines for Use of Reference Materials</b> <b>Co-chairs: Patricia Atkins and Jo Marie Cook</b>	<b>Caribbean Ballroom 1-3</b>
1:00-1:10 pm	<b>Jo Marie Cook</b> , Florida Department of Agriculture, retired, Venice, FL, USA <b>Introduction to the Activities of the RMWG</b>	
1:10-1:25 pm	<b>Patricia Atkins</b> , SPEX, <b>Updates in Edition Two of the <i>Reference Material Use in Trace Analysis Guide</i>.</b>	
1:25-1:45 pm	<b>Reference Materials for the Study of Natural Material Identification, Authenticity and Adulteration</b> <ul style="list-style-type: none"><li>• <b>Adam Kuszak</b>, National Institutes of Health, Office of Dietary Supplements, MD, USA <b>Objectives of the Authenticity Working Group</b></li><li>• <b>Sidney Sudberg</b>, Alkemist Labs, CA, USA <b>Case Study of the Development and Use of a Botanical Reference Material</b></li></ul>	
1:45-2:30 pm	<b>Jo Marie Cook -Moderator</b> , Florida Department of Agriculture, FL, USA, retired <b>Open Forum</b>	
2:45-4:15 pm	<b>NACRW Veterinary Drug Residue (VDR) Working Group</b> <b>VDR Collaborative Studies</b> <b>Co-chairs: Eric Verdon and Sherri Turnipseed</b>	<b>Caribbean Ballroom 1-3</b>
2:45-3:05 pm	<b>Anton Kaufmann</b> , Official Food Control Authority Of The Canton Of Zürich, Zürich, Switzerland <b>Comparison of the Low versus High Resolution-based Confirmation Criteria for Veterinary Chemical Residues in Food Control</b>	
3:05-3:25 pm	<b>Maiwenn Le Floch</b> and <b>Eric Verdon</b> , ANSES, the French AGENCY for Food, Environmental and Occupational Health & Safety Laboratory of Fougères, France <b>Progress of the Veterinary Drug Residue Collaborative Study, 2022-2023 (Round 1)</b>	
3:25-3:45 pm	<b>Development of HRMS Food Residue Megamethods</b> <ul style="list-style-type: none"><li>• <b>Steven Lehotay</b>, USDA ARS, Wyndmoor, PA, USA <b>Extraction</b></li><li>• <b>Jian Wang</b>, Canadian Food Inspection Agency, Ottawa, Canada <b>Jon Wong</b>, USFDA, Center for Food Safety and Applied Nutrition, College Park, MD, USA <b>Pesticides</b></li><li>• <b>Sherri Turnipseed</b>, USFDA Animal Drugs Research Center, Denver, CO; USA <b>Veterinary Drugs</b></li></ul>	

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3:45-4:05 pm	<b>Jo Marie Cook -Moderator</b> , Florida Department of Agriculture, retired, Venice, FL, USA <a href="#">Open Forum</a>	
4:05-4:15 pm	<b>Eric Verdon and Sherry Turnipseed</b> <a href="#">Summary and Closing Remarks</a>	
4:30-6:00 pm	<b>NACRW Working Groups General Session</b> <b>Future Projects</b> <b>Co-chairs: Patricia Atkins and Jo Marie Cook</b>	<b>Caribbean Ballroom 1-3</b>
4:30-4:40 pm	<b>Jo Marie Cook</b> , Florida Department of Agriculture, retired, Venice, FL, USA <a href="#">Introduction to the Working Groups and their Terms of Reference.</a>	
4:40-4:50 pm	<b>Patricia Atkins, SPEX</b> <a href="#">Goals of the Authenticity Working Group and Beyond</a>	
4:50-5:00 pm	<b>Simon Hird</b> , Waters Corporation, Wimlsow, Cheshire, United Kingdom <a href="#">Challenges and Solutions to Troubleshooting</a>	
5:00-5:10 pm	<b>Alex Chao</b> , U.S. EPA, Durham, NC, USA <a href="#">Reference Materials for Non-Target Analyses</a>	
5:10-6:00 pm	<b>Simon Hird</b> , Waters Corporation, Wimlsow, Cheshire, United Kingdom <a href="#">Open Forum</a>	
6:30-8:00 pm	<b>Welcome Reception</b>	<b>Grand Ballroom</b>

## Monday, July 24, 2023

7:00-9:30 am	Poster Board Set-up	<b>Grand Ballroom E-K</b>
7:15-8:15 am	<b>Waters Corp. Vendor Seminar</b> ( <i>pre-registration required</i> )	<b>Grand Ballroom A-D</b>
7:30 am-5:00 pm	<b>Registration</b>	<b>Caribbean Foyer</b>
7:45-8:15 am	<b>Early Morning Coffee</b>	<b>Caribbean Foyer</b>
8:20-8:45 am	<a href="#">Opening Remarks</a>	<b>Caribbean Ballroom</b>
8:20-8:35 am	<b>Sherry Garris, Chair, FLAG Works, Inc. Board of Directors</b>	
8:35-8:40 am	<b>2023 NACRW President, Oscar Cabrices</b>	
8:40-8:45 am	<b>2023 NACRW Program Co-Chairs, Susie Genualdi and Ken Kise</b>	

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8:45-10:45 am	<b>SESSION 1:</b> <i>sponsored by Thermo Fisher Scientific</i> <b>Pesticide Testing Methods (Multi Residue and Single Residue)</b> <b>Co-Chairs: Rodney Bennett and Kelsey Powers</b>	
8:45-9:10 am <b>O-01</b>	<b>Simon Hird</b> , Waters Corporation, Wimlows, Cheshire, United Kingdom <b>The Advantages of Using Atmospheric Pressure Ionization (APGC technology) for Determination of Pesticide Residues in Baby Foods using GC-MS/MS</b>	
9:10-9:35 am <b>O-02</b>	<b>Jian Wang</b> , Canadian Food Inspection Agency, Calgary, Alberta, Canada <b>Practical Applications of nDATA for Quantitation and Identification of Mostly Incurred Pesticides and Screening of Less Frequently found Residues in Fruits and Vegetables using UHPLC/ESI Q-Orbitrap Data Independent Acquisition</b>	
9:35-10:00 am <b>O-03</b>	<b>Wiley Hall</b> , USDA-ARS, Parlier, CA, USA <b>Considerations and Progress in Developing Multiresidue Analysis Methods for the Residues of Postharvest and Preplant Fumigants.</b>	
10:00-10:25 am <b>O-04</b>	<b>Lorna De Leoz</b> , Agilent Technologies, Wilmington, DE, USA <b>Hydrogen as a Sustainable Alternative to Helium in Pesticide Residual GC/MS/MS Analysis: Method Translation, Optimization, and Application to Analyzing Pesticides in Pigmented Foods</b>	
10:25 – 10:50 am <b>O-05</b>	<b>Kazuaki Iijima</b> , The Institute Of Environmental Toxicology, Joso, Ibaraki, Japan <b>Relationship Between Surface Properties of Fruits and Fruiting Vegetables and Residue Levels of Pesticides by Foliage Application</b>	
10:50 am - noon 11:00 am - noon	<b>Exhibition and Poster Opening</b> <b>Poster Session A (authors present for odd #s)</b>	<b>Grand Ballroom E-K</b> <b>Grand Ballroom E-K</b>
12 noon	<b>Lunch on your own</b>	
12:15 - 1:15 pm	<b>SCIEX Vendor Seminar</b> ( <i>pre-registration required</i> )	<b>Grand Ballroom A-D</b>
1:30 - 3:10 pm	<b>SESSION 2:</b> <i>sponsored by Agilent</i> <b>Updates on Sample Preparation and Processing Methodologies for Residue Testing</b> <b>Co-Chairs: Jana Hepner and Raegyn Taylor</b>	<b>Caribbean Ballroom</b>
1:30 – 1:55 pm <b>O-06</b>	<b>Michael Ebitson</b> , ThermoFisher Scientific, Bedford, NH, USA <b>Improved Automated Sample Preparation for Persistent Organic Pollutants using Parallel Gas Assisted Accelerated Solvent Extraction and Automated Solvent Concentration</b>	
1:55 – 2:20 pm <b>O-07</b>	<b>James (Mike) Farrow</b> , USFDA, Atlanta, GA, USA <b>FDA’s Laboratory Flexible Funding Model — Three Years and Counting</b>	
2:20 – 2:45 pm <b>O-08</b>	<b>Jerry Mueller</b> , NOW Foods, Bloomingdale, IL, USA <b>Streamlined Sample Preparation for LC-MS/MS and GC-MS/MS Multi-residue Pesticides Analysis in Botanicals and Essential Oils Using Novel Mixed Mode Cartridge Passthrough Cleanup</b>	
2:45 – 3:10 pm <b>O-09</b>	<b>Steven Lehotay</b> , USDA ARS, Wyndmoor, PA, USA <b>Evaluation of a New Cryogenic Device for Comminution of 1 kg Bulk Food Samples for Analysis of Contaminants in &lt;1 g Test Portions</b>	

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3:10-3:40 pm	<b>BREAK (Exhibition &amp; Posters)</b> <b>Poster Session B (authors present for even #s)</b>	Grand Ballroom E-K
3:40-5:05 pm	<b>SESSION 3:</b> <i>sponsored by RESTEK</i> <b>Cannabis Residue Testing Updates</b> <b>(New Methods, new challenges, accreditation and validation topics)</b> <b>Co-Chairs: Geoff DuBrow and Alexandria Bush</b>	Caribbean Ballroom
3:40 – 4:00 pm <b>O-10</b>	<b>Matthew Noestheden</b> , SCIEX, Salmon Arm, British Columbia, Canada <b>Suspect Screening of Cannabis for 288 Mycotoxins and their Metabolites using High-Resolution Mass Spectrometry</b>	
4:00 – 4:20 pm <b>O-11</b>	<b>Ronald Francisco</b> , Florida Department of Agriculture and Consumer Services, Tallahassee, FL, USA <b>Residual Solvents Testing in Florida in CBD and Hemp Oil Products by HS-GC-MS</b>	
4:20 – 4:40 pm <b>O-12</b>	<b>Geoffrey Dubrow</b> , U.S. Food and Drug Administration, College Park, MD, USA <b>An Improved, Validated LC-UV/FLD and LC-MS/MS Method for the Quantification of Cannabinoids in Hemp-Derived Ingestible Products</b>	
4:40 -5:05 pm <b>O-13</b>	<b>Keynote speaker – Peter Morton</b> , Texas A&M University, College Station, TX, USA <b>Proceed with Caution: Addressing the Opportunities and Hazards of <i>Sargassum</i> Inundation</b>	
6:30-9:30 pm	<b>SOCIAL EVENT Dinner – Marriott Harbor Beach</b> <b>One-hour reception provided by NACRW; Games after dinner on the Ocean Terrace</b>	Oceanside Ballroom & Terrace

## Tuesday, July 25, 2023

7:15-8:15 am	<b>Thermo Fisher Vendor Seminar</b> (pre-registration required)	Grand Ballroom A-D
8:00 am - 4:00 pm	<b>Registration</b>	Caribbean Foyer
8:00 am – 8:30 am	<b>Early Morning Coffee</b>	Caribbean Foyer
8:45 - 10:45 am	<b>SESSION 4:</b> <i>sponsored by Waters Corp.</i> <b>Emerging Environmental and Food Contaminants</b> <b>Co-Chairs: Matt Noestheden and Lukas Vaclavik</b>	Caribbean Ballroom
8:45 – 9:10 am <b>O-14</b>	<b>Wendy Young</b> , USFDA, College Park, MD, USA <b>Updates and Expansion of FDA’s Analytical Method for PFAS Detection in Food and Feed</b>	
9:10 – 9:35 am <b>O-15</b>	<b>Bjorn Berendsen</b> , Wageningen Food Safety Research, Wageningen, Netherlands <b>PFAS Analysis in Food Products - Challenges, Methods and Results</b>	
9:35 – 10:00 am <b>O-16</b>	<b>Yelena Sapozhnikova</b> , USDA, Wyndmoor, PA, USA <b>Analysis of PFAS in Globally Sourced Consumer Food Packaging by Targeted and Non-Targeted Approaches</b>	

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10:00 – 10:25 am <b>O-17</b>	<b>Anton Kaufmann</b> , Official Food Control Authority Of The Canton Of Zürich, Zürich, Switzerland <b>Fast and Easy Nontargeted Detection of Pfas in Complex Food Matrices</b>	
10:25 – 10:50 am <b>O-18</b>	<b>Charles Neslund</b> , Eurofins Lancaster Laboratories Environment Testing, Lancaster, PA, USA <b>The Analysis for PFAS in Food and Feed: An Evaluation using the FDA Quechers Application</b>	
10:55 am - noon 11:00 am - noon	<b>Exhibition and Posters</b> <b>Poster Session B (authors present for even #s)</b>	<b>Grand Ballroom</b> <b>Grand Ballroom</b>
12 noon	<b>Lunch on your own</b>	
12:15-1:15 pm	<b>Agilent Vendor Seminar (pre-registration required)</b>	<b>Grand Ballroom A-D</b>
1:30-3:10 pm	<b>SESSION 5:</b> <b>Method Development and Validations</b> <b>Co-Chairs: Katie Carlos and Yelena Sapozhnikova</b>	<b>Caribbean Ballroom</b>
1:30 – 1:55 pm <b>O-19</b>	<b>Katerina Mastovska</b> , AOAC INTERNATIONAL, Rockvile, Maryland, USA <b>Method Development and Validation – AOAC’s Perspective and Initiatives Focused on Residues and Contaminants</b>	
1:55 – 2:20 pm <b>O-20</b>	<b>Alex Chao</b> , U.S. EPA, Durham, NC, USA <b>Validation of Non-Targeted Analysis Methods: Establishing and Communicating Confidence in Results</b>	
2:20 – 2:45 pm <b>O-21</b>	<b>Lawrence Zintek</b> , US EPA R5, Chicago, Illinois, USA <b>Interlaboratory Validation of ASTM D8421, Standard Test Method for Determination of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous Matrices by Co-solvation followed by Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS)</b>	
2:45 – 3:10 pm <b>O-22</b>	<b>Jens Enevold Thaulov Andersen</b> , Botswana International University Of Science And Technology, Palapye, Botswana, Botswana <b>Meta Analysis of Pesticide Residues in Food Products Shows that the Associated Quality Assurance may need Improvements</b>	
3:10-3:55 pm	<b>BREAK (Exhibition &amp; Posters)</b> <b>Poster Session A (authors present for odd #s)</b>	<b>Grand Ballroom</b>
4:00 - 5:00 pm	<b>SESSION 6:</b> <b>Laboratory Troubleshooting Forum</b> <b>(The classic MS debates, sample preparation challenges, analysis challenges)</b> <b>Moderators: Scott Krepich and Simon Hird</b>	<b>Caribbean Ballroom</b>
5:05-6:00 pm	<b>NACRW Organizing Committee Meeting</b> <i>open to all attendees</i>	<b>Caribbean Ballroom</b>
6:00-10:30 pm	<b>Shuttle service to downtown Fort Lauderdale</b> <i>one shuttle scheduled to run every 15 minutes</i>	<b>Outside -Entrance at Caribbean Ballroom</b>

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## Wednesday, July 26, 2023

7:15-8:15 am	<b>Bruker Vendor Seminar</b> ( <i>pre-registration required</i> )	<b>Grand Ballroom A-D</b>
7:45 am-noon	<b>Registration</b>	<b>Caribbean Foyer</b>
7:45-8:15 am	<b>Early Morning Coffee</b>	<b>Caribbean Foyer</b>
8:30-10:00 am	<b>SESSION 7:</b> <i>sponsored by SCIEX</i> <b>Advanced Analytical Techniques for Residue Testing</b> <b>Co-Chairs: Jian Wang and Wiley Hall</b>	<b>Caribbean Ballroom</b>
8:30 – 8:50 am <b>O-23</b>	<b>Julien Parinet</b> , Anses, Montreuil, France <b>Liquid chromatographic retention time prediction models to secure and improve the feature annotation process in high-resolution mass spectrometry</b>	
8:50 – 9:10 am <b>O-24</b>	<b>Jon Wong</b> , US FDA, College Park, MD, USA <b>Multilaboratory Collaborative Study of a non-Target Data Acquisition for Target Analysis (nDATA) Workflow for the Screening of &gt;1000 Pesticides in Fruits and Vegetables</b>	
9:10 – 9:30 am <b>O-25</b>	<b>Erik Rangel Rivera</b> , University of California at Davis, Davis, CA, USA <b>Capillary electrophoresis-, normal atmospheric pressure-, and particle beam - mass spectrometry for residue applications</b>	
9:30 – 9:50 am <b>O-26</b>	<b>Amadeo Fernández-Alba</b> , EURL-FV University of Almería, La Cañada de San Urbano, Almería, Spain <b>Cutting Edge Methods for Pesticide Residue Analysis</b>	
10:00-10:45 am	<b>Student Scholarship Award Presentations</b>	<b>Caribbean Ballroom</b>
10:45 - noon	<b>BREAK (Exhibition &amp; Posters)</b>	<b>Grand Ballroom</b>
12 noon	<b>Lunch on your own</b>	
12:00 - 1:00 pm	<b>Restek Vendor Seminar</b> ( <i>pre-registration required</i> )	<b>Grand Ballroom A-D</b>
1:05 - 2:45 pm	<b>SESSION 8:</b> <b>Natural Toxins Residue Testing</b> <b>Co-Chairs: Wade Huang and Kai Zhang</b>	<b>Caribbean Ballroom</b>
1:05 – 1:30 pm <b>O-27</b>	<b>Dojin Ryu</b> , University of Idaho, Moscow, ID, USA <b>Significance of Ochratoxin A in Agricultural Commodities and Processed Food Products</b>	
1:30 – 1:55 pm <b>O-28</b>	<b>Weili Xiong</b> , FDA CFSAN, College Park, MD, USA <b>Analysis of Ergot Alkaloids in Cereal-based Food Products using LC-MS/MS</b>	
1:55 – 2:20 pm <b>O-29</b>	<b>Wade (Ishuo) Huang</b> , US FDA, College Park, MD, USA <b>Development of an LC-MS/MS Method for the Detection of Microcystins in Marine and Estuarine Shellfish</b>	
2:20 – 2:45 pm <b>O-30</b>	<b>Pearse McCarron</b> , National Research Council Canada, Halifax, Nova Scotia, Canada <b>Development of a Cyanobacterial Dietary Supplement Reference Material for Multiple Classes of Cyanotoxins</b>	

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2:45-3:15 pm	<b>BREAK</b>	<b>Caribbean Foyer</b>
<b>3:15-4:55 pm</b>	<b>SESSION 9:</b> <b>General Topics</b> <b>Co-Chairs: Jens Andersen and Sareeta Nerkar</b>	<b>Caribbean Ballroom</b>
3:15 – 3:40 pm <b>O-31</b>	<b>Kevin Armbrust</b> , LSU -Dept Of Environmental Sciences, Baton Rouge, LA, USA <b>Harmonizing pesticide tolerances through regulatory capacity building: The CERSA-USDA FAS collaboration</b>	
3:40 – 4:05 pm <b>O-32</b>	<b>Laura Basirico</b> , Louisiana State University, Baton Rouge, LA, USA <b>Novel Low Sulfur Distillate and Residual Fuel Oils as Emerging Environmental Contaminants</b>	
4:05 – 4:30 pm <b>O-33</b>	<b>Richard Jack</b> , Phenomenex, San Jose, CA, USA <b>Method Performance using dual WAX/GCB and GCB/WAX SPE Formats for Draft EPA Method 1633</b>	
4:30 – 4:55 pm <b>O-34</b>	<b>Natalia Soares Quinete</b> , Florida International University, North Miami, FL, USA <b>Beyond the traditional targeted analysis approach: Comprehensive screening of PFAS in South Florida environments by Non-Targeted Analysis</b>	
4:55 - 5:10 pm	<b>Poster Awards and Closing</b> Award Presentations by André De Kok and Brittany Holmes, Poster Co-Chairs,	<b>Caribbean Ballroom</b>

## Thursday, July 27, 2023

<b>7:30 am – 12:30 pm</b>	<b>Concurrent User Meetings</b> <b>Agilent (7:30 – 9:30)</b> <b>Thermo Fisher Scientific (7:30 – 9:30)</b>  <b>Waters (10:30 am – 12:30 pm)</b>	<b>Caribbean 4</b> <b>Caribbean 6-7</b>  <b>Caribbean 2-3</b>
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