

2023 NACRW Program

DRAFT as of 5-23-23

Sunday, July 23, 2023

8:00 am - 4:00 pm	Short Course: "Squeezing more out of Laboratory Analyses with QA/QC" Dr. Jens Andersen, Department of Chemical and Forensic Sciences, Botswana International University of Science and Technology, Palapye, Botswana	Key West/Palm Beach
12 noon - 6:00 pm	Registration	Caribbean Foyer
1:00-5:00 pm	Exhibitor set-up	Grand Ballroom E-K
1:00 - 2:30 pm	NACRW Reference Materials Working Group	Caribbean Ballroom 1-3
2:45 - 4:15 pm	NACRW Veterinary Drugs Working Group	Caribbean Ballroom 1-3
4:30 - 6:00 pm	NACRW Working Groups	Caribbean Ballroom 1-3
3:00 - 6:00 pm	Poster Board set-up	Grand Ballroom
6:30 - 8:00 pm	Welcome Reception	Grand Ballroom

Monday, July 24, 2023

7:00 - 9:30 am	Poster Board Set-up	Grand Ballroom E-K
7:15 - 8:15 am	Waters Corp. Vendor Seminar (<i>pre-registration required</i>)	Grand Ballroom A-D
7:30 am - 5:00 pm	Registration	Caribbean Foyer
7:45 - 8:15 am	Early Morning Coffee	Caribbean Foyer
8:20 - 8:45 am	Opening Remarks	Caribbean Ballroom
8:20 - 8:35 am	Sherry Garris, Chair, FLAG Works, Inc. Board of Directors	
8:35 - 8:40 am	2023 NACRW President, Oscar Cabrices	
8:40 - 8:45 am	2023 NACRW Program Co-Chairs, Susie Genualdi and Ken Kise	
8:45 - 10:45 am	SESSION 1: <i>sponsored by Thermo Fisher Scientific</i> Pesticide Testing Methods (Multi Residue and Single Residue) Co-Chairs: Rodney Bennett and Kelsey Powers	
8:45 - 9:10 am O-01	Simon Hird , Waters Corporation, Wimslow, Cheshire, United Kingdom The Advantages of Using Atmospheric Pressure Ionization (APGC technology) for Determination of Pesticide Residues in Baby Foods using GC-MS/MS	
9:10 - 9:35 am O-02	Jian Wang , Canadian Food Inspection Agency, Calgary, Alberta, Canada 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	
9:35 - 10:00 am O-03	Wiley Hall , USDA-ARS, Parlier, CA, USA Considerations and Progress in Developing Multi-residue Analysis Methods for the Residues of Postharvest and Preplant Fungicides.	

2023 NACRW Program

DRAFT as of 5-23-23

10:00 – 10:25 am O-04	Anastasia Andrianova , Agilent Technologies, Wilmington, DE, USA 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	
10:25 – 10:50 am O-05	Kazuaki Iijima , The Institute Of Environmental Toxicology, Joso, Ibaraki, Japan Relationship Between Surface Properties of Fruits and Fruiting Vegetables and Residue Levels of Pesticides by Foliage Application	
10:50 am - noon	Exhibition and Poster Opening	Grand Ballroom E-K
11:00 am - noon	Poster Session A (authors present for odd #s)	Grand Ballroom E-K
12 noon	Lunch on your own	
12:15 - 1:15 pm	SCIEX Vendor Seminar (<i>pre-registration required</i>)	Grand Ballroom A-D
1:30 - 3:10 pm	SESSION 2: <i>sponsored by Agilent</i> Updates on Sample Preparation and Processing Methodologies for Residue Testing Co-Chairs: Jana Hepner and Raegyn Taylor	Caribbean Ballroom
1:30 – 1:55 pm O-06	Michael Ebitson , ThermoFisher Scientific, Bedford, NH, USA Improved Automated Sample Preparation for Persistent Organic Pollutants using Parallel Gas Assisted Accelerated Solvent Extraction and Automated Solvent Concentration	
1:55 – 2:20 pm O-07	Toby Astill , Perkinelmer, Victoria, No, Canada Simplifying Food Mycotoxin Testing LC/MS Workflows with Full Sample Preparation Automation	
2:20 – 2:45 pm O-08	Jerry Mueller , NOW Foods, Bloomingdale, IL, USA 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.	
2:45 – 3:10 pm O-09	Steven Lehotay , USDA ARS, Wyndmoor, PA, USA Evaluation of a New Cryogenic Device for Comminution of 1 kg Bulk Food Samples for Analysis of Contaminants in <1 g Test Portions	
3:10-3:40 pm	BREAK (Exhibition & Posters)	Grand Ballroom E-K
3:40-4:50 pm	SESSION 3: Cannabis Residue Testing Updates (New Methods, new challenges, accreditation and validation topics) Co-Chairs: Geoff DuBrow and Alexandria Bush	Caribbean Ballroom
3:40 – 4:00 pm O-10	Matthew Noestheden , SCIEX, Salmon Arm, British Columbia, Canada Suspect Screening of Cannabis for 288 Mycotoxins and their Metabolites using High-Resolution Mass Spectrometry	

2023 NACRW Program

DRAFT as of 5-23-23

4:00 – 4:20 pm	Ronald Francisco , Florida Department of Agriculture and Consumer Services, Tallahassee, FL, USA	
O-11	Residual Solvents Testing in Florida in CBD and Hemp Oil Products by HS-GC-MS	
4:20 – 4:40 pm	Geoffrey Dubrow , U.S. Food and Drug Administration, College Park, MD, USA	
O-12	An Improved, Validated LC-UV/FLD and LC-MS/MS Method for the Quantification of Cannabinoids in Hemp-Derived Ingestible Products	
4:40 -5:05 pm	Keynote speaker – Peter Morton, Texas A&M University	
6:30-9:30 pm	SOCIAL EVENT Dinner – Marriott Harbor Beach	Oceanside Terrace

Tuesday, July 25, 2023

7:15-8:15 am	Thermo Fisher Vendor Seminar (<i>pre-registration required</i>)	Grand Ballroom A-D
8:00 am - 4:00 pm	Registration	Caribbean Foyer
8:00 am – 8:30 am	Early Morning Coffee	Caribbean Foyer
8:45 - 10:45 am	SESSION 4: <i>sponsored by Waters Corp.</i> Emerging Environmental and Food Contaminants Co-Chairs: Matt Noestheden and Lukas Vaclavik	Caribbean Ballroom
8:45 – 9:10 am	Wendy Young , USFDA, College Park, MD, USA	
O-14	Updates and Expansion of FDA’s Analytical Method for PFAS Detection in Food and Feed	
9:10 – 9:35 am	Bjorn Berendsen , Wageningen Food Safety Research, Wageningen, Netherlands	
O-15	PFAS Analysis in Food Products - Challenges, Methods and Results	
9:35 – 10:00 am	Yelena Sapozhnikova , USDA, Wyndmoor, PA, USA	
O-16	Analysis of PFAS in Globally Sourced Consumer Food Packaging by Targeted and Non-Targeted Approaches	
10:00 – 10:25 am	Anton Kaufmann , Official Food Control Authority Of The Canton Of Zürich, Zürich, Switzerland	
O-17	Fast and Easy Nontargeted Detection of Pfas in Complex Food Matrices	
10:25 – 10:50 am	Charles Neslund , Eurofins Lancaster Laboratories Environment Testing, Lancaster, PA, USA	
O-18	The Analysis for PFAS in Food and Feed: An Evaluation using the FDA Quechers Application	
10:55 am - noon	Exhibition and Posters	Grand Ballroom
11:00 am - noon	Poster Session B (<i>authors present for even #s</i>)	Grand Ballroom
12 noon	Lunch on your own	
12:15-1:15 pm	Agilent Vendor Seminar (<i>pre-registration required</i>)	Grand Ballroom A-D

2023 NACRW Program

DRAFT as of 5-23-23

1:30-3:10 pm	SESSION 5: Method Development and Validations Co-Chairs: Katie Carlos and Yelena Sapozhnikova	Caribbean Ballroom
1:30 – 1:55 pm O-19	Katerina Mastovska , AOAC INTERNATIONAL, Rockvile, Maryland, USA Method Development and Validation – AOAC’s Perspective and Initiatives Focused on Residues and Contaminants	
1:55 – 2:20 pm O-20	Alex Chao , U.S. EPA, Durham, NC, USA Validation of Non-Targeted Analysis Methods: Establishing and Communicating Confidence in Results	
2:20 – 2:45 pm O-21	Lawrence Zintek , US EPA R5, Chicago, Illinois, USA 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)	
2:45 – 3:10 pm O-22	Jens Enevold Thaulov Andersen , Botswana International University Of Science And Technology, Palapye, Botswana, Botswana Meta Analysis of Pesticide Residues in Food Products Shows that the Associated Quality Assurance may need Improvements	
3:10-3:55 pm	BREAK (Exhibition & Posters)	Grand Ballroom
4:00 - 5:00 pm	SESSION 6: Laboratory Troubleshooting Forum (The classic MS debates, sample preparation challenges, analysis challenges) Moderators: Scott Krepich and Simon Hird	Caribbean Ballroom
5:05-6:00 pm	NACRW Organizing Committee Meeting <i>open to all attendees</i>	Caribbean Ballroom
6:00-10:30 pm	Shuttle service to downtown Fort Lauderdale <i>one shuttle scheduled to run every 15 minutes</i>	Outside - Hotel Main Entrance

Wednesday, July 26, 2023

7:15-8:15 am	Bruker Vendor Seminar (<i>pre-registration required</i>)	Grand Ballroom A-D
7:45 am-noon	Registration	Caribbean Foyer
7:45-8:15 am	Early Morning Coffee	Caribbean Foyer

2023 NACRW Program

DRAFT as of 5-23-23

8:30-10:00 am	SESSION 7: <i>sponsored by SCIEX</i> Advanced Analytical Techniques for Residue Testing Co-Chairs: Jian Wang and Wiley Hall	Caribbean Ballroom
8:30 – 8:50 am O-23	Julien Parinet , Anses, Montreuil, France Liquid chromatographic retention time prediction models to secure and improve the feature annotation process in high-resolution mass spectrometry	
8:50 – 9:10 am O-24	Jon Wong , US FDA, College Park, MD, USA Multilaboratory Collaborative Study of a non-Target Data Acquisition for Target Analysis (nDATA) Workflow for the Screening of >1000 Pesticides in Fruits and Vegetables	
9:10 – 9:30 am O-25	Erik Rangel Rivera , University of California at Davis, Davis, CA, USA Capillary electrophoresis-, normal atmospheric pressure-, and particle beam - mass spectrometry for residue applications	
9:30 – 9:50 am O-26	Amadeo Fernández-Alba , EURL-FV University of Almería, La Cañada de San Urbano, Almería, Spain Cutting Edge Methods for Pesticide Residue Analysis	
10:00-10:45 am	Student Scholarship Award Presentations	Caribbean Ballroom
10:45 - noon	BREAK (Exhibition & Posters)	Grand Ballroom
12 noon	Lunch on your own	
12:00 - 1:00 pm	Restek Vendor Seminar (<i>pre-registration required</i>)	Grand Ballroom A-D
1:05 - 2:45 pm	SESSION 8: Natural Toxins Residue Testing Co-Chairs: Wade Huang and Kai Zhang	Caribbean Ballroom
1:05 – 1:30 pm O-27	Dojin Ryu , University of Idaho, Moscow, ID, USA Significance of Ochratoxin A in Agricultural Commodities and Processed Food Products	
1:30 – 1:55 pm O-28	Weili Xiong , FDA CFSAN, College Park, MD, USA Analysis of Ergot Alkaloids in Cereal-based Food Products using LC-MS/MS	
1:55 – 2:20 pm O-29	Wade (Ishuo) Huang , US FDA, College Park, MD, USA Development of an LC-MS/MS Method for the Detection of Microcystins in Marine and Estuarine Shellfish	
2:20 – 2:45 pm O-30	Pearse McCarron , National Research Council Canada, Halifax, Nova Scotia, Canada Development of a Cyanobacterial Dietary Supplement Reference Material for Multiple Classes of Cyanotoxins	
2:45-3:15 pm	BREAK	Caribbean Foyer

2023 NACRW Program

DRAFT as of 5-23-23

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

Thursday, July 27, 2023

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