Poster Presentations

Poster Presentations feature displays by authors of contributed scientific research papers and will include a written and pictorial summary of the author's research. The “Author Presentations” time slots provide an opportunity for attendees to meet and interact with the authors. All Poster Presentations will be held in the Red Lacquer Room on the 4th Floor of the Palmer House Hilton within the following topical areas:

Monday, August 26, 2013
Poster Author Set-Up 7:30 am – 9:45 am
Poster Viewing 10:00 am – 5:00 pm
Author Presentations 11:30 am – 1:00 pm

Analysis of Foodborne Contaminants and Residues
Analysis of Non-Foodborne Contaminants and Residues
Microbiological Methods
Water and Waste Water Analysis
General Pharmaceutical Analysis and Evaluation

Tuesday, August 27, 2013
Poster Author Set-Up 7:30 am – 9:45 am
Poster Viewing 10:00 am – 5:00 pm
Author Presentations 11:30 am – 1:00 pm

Food Nutrition and Food Allergens
Emerging Issues in Food Safety and Security
Performance Tested Methods™
General Methods, Quality Assurance and Accreditation

Wednesday, August 28, 2013
Poster Author Set-Up 7:30 am – 9:45 am
Poster Viewing 10:00 am – 5:00 pm
Author Presentations 11:30 am – 1:00 pm

Authenticity
Botanicals and Dietary Supplements
Detection and Measurement of Natural Toxins

MONDAY, AUGUST 26, 2013
Red Lacquer
Poster Viewing 10:00 am – 5:00 pm
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ANALYSIS OF FOODBORNE CONTAMINANTS AND RESIDUES

P-M-001 Multi-Pesticide Residue Analysis by GC-MS/MS: Ensuring Selectivity and Sensitivity by Timed and Ultra Selective Reaction Monitoring
Kaushik Banerjee, National Research Centre for Grapes

P-M-002 Multi-Residue Analysis of 119 Chemicals Including Pesticides and PAHs in Fish by Gas Chromatography Tandem Mass Spectrometry
Kaushik Banerjee, National Research Centre for Grapes

P-M-003 Speciation of Inorganic Arsenic in Rice by Solid Phase Extraction and Quantification by Hydride-Generation Atomic Fluorescence Spectrometry
Guoying Chen, U.S. Department of Agriculture

P-M-004 Reveal® CapStrep: A Rapid, One-Step Lateral Flow Assay for Detecting Chloramphenicol and Streptomycin in Raw Commingled Bovine Milk
Timothy Goldy, Neogen Corporation

P-M-005 Market Basket Study of Arsenic Concentration and Speciation in Rice and Rice Products Sold in the United States
Rima Juskelis, Institute for Food Safety and Health at the Illinois Institute of Technology

P-M-006 Simultaneous PAH and PCB Extraction from Soil and Tissues with Accelerated Solvent Extraction
Aaron Kettle, Thermo Fisher Scientific

P-M-007 Investigation of Major Disturbance for Quantitative Analysis of Ethylcarbamate in Fermented Food on GC-MS
Jin-Hyo Kim, National Academy of Agricultural Science

P-M-008 Validation of Thermo Scientific Enzymatic Total Acetaldehyde Method for Alcoholic Beverages
Mari Klemm, Thermo Fisher Scientific
P-M-009  Preliminary Investigation of Toxic Biogenic Amines in Plant-Based Minor Fermented Foods in Korea  
Hee-Dong Lee, National Academy of Agricultural Science

P-M-010  The Use of Microflow UHPLC in Vet Residue Analysis  
Stephen Lock, AB SCIEX

P-M-011  Next Generation Pesticide Analysis Using Microfluidic Nano-LC-MS/MS  
Gregory Roman, Waters Corporation

P-M-012  SPE HG-AAS for Specific Determination of Inorganic Arsenic in Rice--A Novel Speciation Approach  
Jens J. Sloth, National Food Institute, Technical University of Denmark

P-M-013  The QuEChERS Three Minutes Experience--Screening and Targeted Data Analysis on the Fly  
Sebastian Westrup, Thermo Fisher Scientific

P-M-014  Enhanced Selectivity for Pesticide Residue Analysis in Food and Supplement Extracts Using a GC/Q-TOF  
Philip Wylie, Agilent Technologies

P-M-019  Development and Validation of Screening Method for Multi Antibiotic Residue Detection Using High Resolution Mass Spectrometry  
Scarlett Biselli, Eurofins WEJ Contaminants GmbH

P-M-020  A Fast and Sensitive Method for Determining Hormones in Meat  
Scarlett Biselli, Eurofins WEJ Contaminants GmbH

P-M-021  Avermectins in Meat--A Fast and Easy Method to Detect Anti-Parasitic Residues  
Scarlett Biselli, Eurofins WEJ Contaminants GmbH

P-M-022  Analysis of Polypeptide Antibiotics Using LC-MS/MS  
Scarlett Biselli, Eurofins WEJ Contaminants GmbH

P-M-023  Rapid Detection of 250 Pesticide Residues in Okra Using Ultra Performance Liquid Chromatography and Tandem Mass Spectrometry  
Jennifer A. Burgess, Waters Corporation

P-M-024  Application of Micro Fluidics MS for the Screening of Pesticide Residues in Food Analyses  
Jennifer A. Burgess, Waters Corporation

P-M-025  The Analysis of Coccidiostatic Agents in Feed Using UPLC–Tandem Quadrupole MS  
Jennifer A. Burgess, Waters Corporation

P-M-026  Validation of an Accurate Mass Screening Method for Pesticide Residues in Food Using UPLC-QToF MS and Automated Data Processing Software  
Gareth Cleland, Waters Corporation

P-M-027  A Novel Approach to the Reduction of False Positive and Negative Identifications in Screening of Pesticide Residues in Food Analysis  
Gareth Cleland, Waters Corporation

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Robert Clifford, Shimadzu Scientific

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Jeff Dahl, Shimadzu Corporation Ltd
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**Weilin Shelver, U.S. Department of Agriculture**

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FOOD NUTRITION AND FOOD ALLERGENS

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Laura K. Allred, ELISA Technologies, Incorporated

P-T-002  Development and Validation of Reveal®3-D Gliadin R5, a Lateral Flow Device for the Rapid Detection of Gliadin Proteins in CIP and Environmental Samples
David Almy, Neogen Corporation

P-T-003  Iodide and Iodate in Soy- and Milk-Based Infant Formulas
Lipika Basumallick, Thermo Fisher Scientific
P-T-004  Analysis of Vitamin B<sub>12</sub>, Folic Acid, and Biotin in Animal Feed Using Immunoaffinity Columns Cleanup Prior to UV-HPLC  
Simon Bevis, R-Biopharm Rhone Limited

P-T-005  Simultaneous Analysis of Vitamin B<sub>12</sub>, Folic Acid, and Biotin in a Variety of Samples Using Immunoaffinity Column Cleanup Prior to UV-HPLC  
Simon Bevis, R-Biopharm Rhone Limited

P-T-006  Analysis Vitamin B<sub>12</sub> Using Immunoaffinity Column Cleanup Prior to UV-HPLC as per AOAC First Action Method 2011.10  
Simon Bevis, R-Biopharm Rhone Limited

P-T-007  Determination of Vitamin E Content in Selected Korean Side Dishes  
Jiyeon Chun, Sunchon National University

P-T-008  Determination of Cheese Age by Amino Acid Analysis  
Kendra Cox, Hitachi High Technologies America, Incorporated

P-T-009  Hazelnut Detection in Food: Effect of Thermal Treatment  
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P-T-010  New Rapid Assay Can Detect Gluten in Raw Ingredients, Surfaces, CIP, and Finished Products Down to 5 ppm in under 10 Minutes  
Thomas Grace, Bia Diagnostics, LLC

P-T-011  New Highly Sensitive Rapid Assay Can Detect Finfish Protein in a Wide Variety of Matrices Down to 5 ppm in Under 5 Minutes  
Thomas Grace, Bia Diagnostics, LLC

P-T-012  Development and Validation of Reveal<sup>®</sup> 3D Sesame  
Christie Grieg, Neogen Corporation

P-T-013  RIDASCREEN<sup>®</sup>Fast Soya (R7102) Sandwich ELISA to Detect Traces of Soya in Native and Processed Food  
Sigrid Haas Lauterbach, R-Biopharm AG

P-T-014  Allergen ELISAs Implemented by Automates  
Sigrid Haas-Lauterbach, R-Biopharm AG

P-T-015  Collaborative Study for RIDASCREEN<sup>®</sup> Gliadin and RIDASCREEN<sup>®</sup> Gliadin Competitive Showing Low Detection Limits  
Sigrid Haas-Lauterbach, R-Biopharm AG

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Elisabeth Halbmayer-Jech, Romer Labs Division Holding GmbH

P-T-017  Enzymatic Food Analysis in a Microtiter Plate Format  
Elisabeth Halbmayer-Jech, Romer Labs Division Holding GmbH

P-T-018  Microbiologic Assay for Folate in Korean Side Dishes  
Beom-Gyun Jeong, Sunchon National University

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Nicole Johnson, Neogen Corporation

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Marcus Lacorn, R-Biopharm AG

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Markus Lacorn, R-Biopharm AG

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Rachel Lieberman, Shimadzu Scientific

P-T-023  Allergen Detection in Wine by LC/MS/MS  
Stephen Lock, AB SCIEX

P-T-024  Vitamin B Complex Detection in Infant Formula by LC/MS/MS  
Stephen Lock, AB SCIEX

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Eric Marceau, Canadian Food Inspection Agency

P-T-026  Evaluation and Validation of a Commercial ELISA-Based Method for the Determination of Egg Protein in Foods  
Eric Marceau, Canadian Food Inspection Agency

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David W. Plank, Medallion Laboratories/General Mills

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Jennifer Sealey Voyksner, LCMS Limited

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Darryl Sullivan, Covance Laboratories Incorporated

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Darryl Sullivan, Covance Laboratories Incorporated

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Jeffrey Wiseman, J2 Scientific, LLC

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Jinchuan Yang, Waters Corporation

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Jinchuan Yang, Waters Corporation

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Bhumannagari Narsimha Reddy, Osmania University

P-T-050  Quantitative Determination of Dicyandiamide with LC-ESI-MS/MS
Scarlett Biselli, Eurofins WEJ Contaminants GmbH

P-T-051  Validated Method for the Determination of Phenylbutazone in Horsemeat with LC-MS/MS–Horsemeat Scandal Response
Ebru Ates, Thermo Fisher Scientific

P-T-052  Determination of Total and Free Sulfite in Foods and Beverages
Lillian Chen, Thermo Fisher Scientific

P-T-053  Feed is Food: Occurrence of Salmonella in Pet Food Demonstrating the Need for Routine Surveillance for Zoonotic Disease Causing Pathogens in Animal Feed
Ted Gatesy, Michigan Department of Agriculture and Rural Development

P-T-054  Survey of Seven Certified Color Additives in Food Products Using Liquid Chromatography
Bhakti Petigara Harp, U.S. Food and Drug Administration

P-T-055  Automatic Identification of Unknown and Unexpected Chemical Residues and Contaminants in Food Samples Using Accurate Mass LC-MS/MS Screening Techniques
Andre Schreiber, AB SCIEX

P-T-056  Quantitation and Identification of Dicyandiamide in Milk and Other Protein-Rich Foods
Andre Schreiber, AB SCIEX

P-T-057  Optimization of a Single-Particle ICPMS Method (spICPMS) for Determination of a Number-Based Size-Distribution of Nanoparticles
Jens J. Sloth, National Food Institute, Technical University of Denmark

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Nancy Thiex, Thiex Laboratory Solutions LLC

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Richard Zywicki, Covance Laboratories Incorporated

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Marcia Armstrong, QIAGEN GmbH

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Nicole Bond, Thermo Fisher Scientific

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Nicole Bond, Thermo Fisher Scientific

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Oscar Caballero, Neogen Corporation

P-T-064  A Method Modification of the GeneDisc® Plate STEC and GeneDisc® Plate STEC Top 6 Method for the Detection and Identification of the Top 6 STEC
Erin Crowley, Q Laboratories, Incorporated

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Erin Crowley, Q Laboratories, Incorporated

P-T-066  Evaluation of VIDAS® Listeria monocytogenes Xpress (LMX) for the Detection of Listeria monocytogenes in a Variety of Foods: Collaborative Study
Erin Crowley, Q Laboratories, Incorporated
Validation for the Determination of Biuret in Water-Soluble, Urea-Based Commercial Inorganic Fertilizer Materials Urea Solutions, and Sulfur Coated Urea Products by Reversed-Phase Liquid Chromatography (LC): Extension of AOAC Method 2003.14

Michael Hojjatie, Tessenderlo Kerley, Incorporated

24-Hour Test System for the Detection of Salmonella spp. in Pet Food

Zheng Jiang, Romer Labs, Incorporated

Validation of a New Immunoassay for Histamine in Fish versus the AOAC Official Method 977.13

Georg Manz, Labor Diagnostika Nord

Validating Pathatrix™: An AOAC-Approved Complete Workflow for the Detection of Salmonella spp. in Pooled Food Samples

Jason Wall, Life Technologies Corporation


Michael Woodman, Agilent Technologies

A Global Method for the Quantitation and Characterization of Lipids by High Performance Liquid Chromatography and Corona Charged Aerosol Detection

Ian Acworth, Thermo Scientific

Characterization of Used Cooking Oils (Gutter Oils) by High Performance Liquid Chromatography and Corona Charged Aerosol Detection

Ian Acworth, Thermo Scientific

Characterization of Silicone Oils by High Performance Liquid Chromatography and Corona Charged Aerosol Detection

Ian Acworth, Thermo Scientific

Determination of Didecyldimethylammonium Chloride (DDAC) by Mixed-Mode Chromatography and Corona Charged Aerosol Detection (CAD)

Emmanuel Appiah-Amponsah, The Dow Chemical Company

Ammonia in Tobacco Smoke

Lipika Basumallick, Thermo Fisher Scientific

Modification of an LC Method Developed by the U.S. Food and Drug Administration for the Analysis of FD&C Color Additives in Foods

Sneh D. Bhandari, Silliker Solution Center

Development and Validation of a Salmonella enterica Serovar Senftenberg qPCR Assay

Angela Burrell, Life Technologies

Determination of Copper, Iron, Manganese, and Zinc in Beef and Goat Liver: A Proficiency Testing

Yang Chen, U.S. Food and Drug Administration

Quantification of Natural Sugars in Baby Food Products by MID FTIR Spectroscopy

Robert Clifford, Shimadzu Scientific

Improved Sample Preparation Methods for Biophysical and Biochemical Characterization of Contaminants in Food by HPLC/LCMS

Sam Ellis, Thomson Instrument Company

After Accreditation, What is Next? How to Improve Efficiency Through Lean and Continual Improvement

Irene Grabowski, Business System Solutions, LLC

Validation of Accelerated and Ambient Methodologies to Characterize Nutrient Release of Slow and Controlled Release Fertilizers

William Hall, Mosaic Fertilizer, LLC

Study of Fertilizer Raw Material Sizing and its Effects on Blending, Sampling, and Spreading of Bulk Blend Fertilizers

William Hall, Mosaic Fertilizer, LLC

Comparison of Four Methods of Analysis for Total P2O5 in High Analysis Phosphate Fertilizers

William Hall, Mosaic Fertilizer, LLC

Development of a New Semi-Quantitative Lateral Flow Comb Using a New Portable Lateral Flow Device Reader

Donna Houchins, Romer Labs, Incorporated

The Use of QuEChERS Strategy in Non-Pesticides Residue Testing-Bisphenol A, Phtalates, Coumarin, Hormones, Acrylamide, and 4-Mel

Li Huang, Silliker JR Laboratories
P-T-088  Overcoming Matrix Effects in Fertilizer Total S by Using Combustion Elemental Analysis with Absorption/Desorption Chromatography
Sandra Hughes, Elementar Americas, Incorporated

P-T-089  Determination of Progesterone in Dairy Products by Immunoassay
Byungchul Kim, Beacon Analytical Systems, Incorporated

P-T-090  Statistical Analysis for 16 Kinds of Amino Acid Analytical Values Produced by Three Different Analytical Methods
Sojung Kim, Gyeongbuk Institute for Marine Bio-Industry

P-T-091  Determination of Mineral Nutrients in Animal Feed and Fertilizer with Microwave Plasma-Atomic Emission Spectroscopy
Wei Li, Texas State Chemist, Emeritus (Retired)

P-T-092  Aspirations of Strength of the Brazilian Agricultural Laboratory Network on Identity and Quality of Food: The New Deal
Erick Lins, Ministry of Agriculture, Livestock and Food Supply

P-T-093  Implementing ISO 17025 in the Regulated Environment
Gretchen McAuliffe, Labtopia Incorporated

P-T-094  GFSI Certification: A Global Initiative for Supplying Food Ingredients
Gretchen McAuliffe, Labtopia Incorporated

P-T-095  Simultaneous Determination of Na, Mg, P, K, Ca, Cr, Mn, Fe, Cu, Zn, Se, and Mo in Nutritional Products by Inductively Coupled Plasma Mass Spectrometry
Lawrence Pacquette, Abbott Nutrition

P-T-096  Screening Method for the Separation and Identification of Permitted and Non-Permitted Color Additives in Cosmetics
Bhakti Petigara Harp, U.S. Food and Drug Administration

P-T-097  Analytical Method to Determine Glabridin Content Through UPLC Analysis
Denise Skok-Vaughan, AMWAY

P-T-098  The Detection of Salmonella in Environmental Samples
Robert S. Tebbs, Life Technologies Corporation

P-T-099  A Single Laboratory Validation for a Method to Determine Available Phosphate in Fertilizer Using a Discrete Analyzer
Nancy Thiex, Thiex Laboratory Solutions LLC

P-T-100  Identification of Fip-fve Protein in Golden Needle Mushroom (Flammulina velutipes) Using an Online Desalting HPLC-UV-ESI-MS Profiling Method
Ching-Hsin Tung, Taiwan Food and Drug Administration

P-T-101  Increasing Extraction Efficiency of Wet Samples Using a Novel New Polymer During Accelerated Solvent Extraction
S.M. Rahmat Ullah, Thermo Fisher Scientific

P-T-102  Status of Food-Matrix Standard Reference Materials
Laura Wood, National Institute of Standards and Technology

P-T-103  Determination of Legally Restricted Fragrance Allergens in Toys by GC-IT-MS/MS Using SPE
Qing Zhang, Chinese Academy of Inspection and Quarantine

WEDNESDAY, AUGUST 28, 2013
Red Lacquer
Poster Viewing  10:00 am – 5:00 pm
Author Presentations   11:30 am – 1:00 pm

AUTHENTICITY

P-W-001  Assessment of Citrus Juice Authenticity Using LC-MS/MS
Andrew Cannavan, International Atomic Energy Agency

P-W-002  Determinations of Inorganic Anions and Organic Acids in Beverages Using Suppressed Conductivity and Charge Detection
Terri Christison, Thermo Fisher Scientific

P-W-003  Rapid Detection of Pomegranate Juice Adulteration with Grape and Apple Juice Using DSA/TOF with Minimal Sample Preparation and No Chromatography
Avinash Dalmia, PerkinElmer, Incorporated

P-W-004  The Hidden Face of Botanical Identity: Adulteration and Process Effect on Raw Material Authentication
Camille Durand, Naturex Inc
P-W-005  The DNA Barcode Based Methods as Tool to Guarantee the Correct Fish Identification
**Angelo Ferrari**, Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Valle d’Aosta

P-W-006  A Locked Nucleic Acid RT-PCR Assay for the Detection of Non-Edible Pine Nut Species in Mixed Samples
**Sara M. Handy**, U.S. Food and Drug Administration

P-W-007  Authenticity Assessment of Garlic Using Metabolomic Approach Based on Mass Spectrometry
**Vojtech Hrbek**, Institute of Chemical Technology-Prague

P-W-008  Composition of Commercial Mango Juice
**Dana Krueger**, Krueger Food Laboratories, Incorporated

P-W-009  Study Protocol to Assess the Water Retention in Poultry Organs Aiming on the Control of Economic Frauds
**Erick Lins**, Ministry of Agriculture, Livestock and Food Supply

P-W-010  Assessing the Water Retention in Poultry Aiming on the Control of Economic Frauds
**Erick Lins**, Ministry of Agriculture, Livestock and Food Supply

P-W-011  Can LCMSMS be Used in Horse Meat Detection?
**Stephen Lock**, AB SCIEX

P-W-012  Adulteration of Extra Virgin Olive Oil
**Kevin P Menard**, PerkinElmer, Incorporated

P-W-013  Phytochemical Identification of *Passiflora incarnata L.* Using Flavonoid Profiles Obtained by UHPLC
**Silvia Sponza**, University of Veterinary Medicine Vienna

P-W-014  Detection of Adulteration of Meat Products Using FT-IR Spectroscopy
**Pelin Ulca**, A&T Food Labs

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**BOTANICALS AND DIETARY SUPPLEMENTS**

P-W-015  The Use of Gradient HPLC with Coulometric Electrochemical Array Detection and Pattern Recognition to Study Botanical Authenticity
**Ian Acworth**, Thermo Scientific

P-W-016  Analysis of Curcuminooids in Foods, Additives, and Supplements Evaluated Using Rapid HPLC With EC, UV, and FL Detection
**Ian Acworth**, Thermo Scientific

P-W-017  Profiling *Hoodia* Extracts by HPLC with Charged Aerosol Detection and Electrochemical Array Detection and Pattern Recognition
**Ian Acworth**, Thermo Scientific

P-W-018  Novel, Universal Approach for the Measurement of Natural Products in a Variety of Botanicals and Supplements
**Ian Acworth**, Thermo Scientific

P-W-019  Release 2 of the Dietary Supplement Ingredient Database: National Estimates for Adult and Children’s Multivitamins
**Karen W. Andrews**, U.S. Department of Agriculture

P-W-020  The NIH/ODS Analytical Methods and Reference Materials Program: Accomplishments and Future Directions
**Joseph M. Betz**, U.S. National Institutes of Health

P-W-021  Questionable Quality of Commercial Bilberry Extracts
**Amitabh Chandra**, AMWAY

P-W-022  Phosphatidylcholine (PC) in Total Phospholipids by TLC for Lecithin Tablets
**Connie Choi**, Nutrilite

P-W-023  Comparison of the Composition of Several Lots of Evening Primrose Oil
**Jamie Richey**, Battelle Memorial Institute

P-W-024  Direct Methylation and Extraction for Fish Oils
**Chung Hyun**, Nutrilite

P-W-025  Determination of Water-Soluble Vitamins (B<sub>6</sub>, B<sub>12</sub>, and B<sub>12</sub>) by Immunooassay
**Byungchul Kim**, Beacon Analytical Systems, Incorporated
P-W-026  Mild Transesterification of Xanthophyll Esters and HPLC-UV Analysis of Free Carotenoids in Nutritional Supplements  
**Mark Krzeszowiec**, NOW Foods

P-W-027  Isolation and Identification of a Sildenafil Analogue Adulterated in Dietary Supplements  
**Mei-Chih Lin**, Taiwan Food and Drug Administration

P-W-028  Quantitative and Qualitative Analysis of *Vaccinium* Leaf Extracts by NMR, Using the Assure-RMS Software  
**Michelle Markus**, Bruker BioSpin

P-W-029  Quantitative Analysis of *Aloe vera* by NMR, in Automation Using the Assure-RMS Software  
**Michelle Markus**, Bruker BioSpin

P-W-030  Skin Lightening Activity of Aqueous Extract of *Ceasalpina spinosa*  
**Becky Miller**, AMWAY

P-W-031  Development of Analytical Methods of Some Mexican Medicinal Plants to Include in the Medical Herbal Pharmacopoeia  
**Andres Navarrete**, Universidad Nacional Autonoma de Mexico

P-W-032  Water soluble B–Vitamin Determination in Energy and Power Bars with Immunoaffintiy Columns and Microbiological Tests  
**Ronald Niemeijer**, R-Biopharm AG

P-W-033  Utilization of DART-Orbitrap-MS Technique for Study of Oxidative Changes in Cod Liver Oil  
**Hana Novotna**, Institute of Chemical Technology, Prague

P-W-034  Testing Vitamin Extract Time Stability in Queue Using LC/MS/MS Analysis  
**Jeremy Post**, Shimadzu Scientific

P-W-035  Total Antioxidant Capacity and Characterization of *Nitraria Tangutorum* Fruit Extract by Rapid Bioassay Directed Fractionation  
**Jat Rana**, AMWAY

P-W-036  Analysis of Bioavailable Niacin (Vitamin B₃) by HPLC with Post-Column Photochemical Derivatization in Foods and Supplements  
**Wendy Rasmussen**, Pickering Laboratories, Incorporated

P-W-037  Isolation and Characterization of the Bioactive Compounds from *Caesalpinia coriaria*  
**Kasturi Revathi**, University of Madra

P-W-038  Total Quality Control of American Native *Echinacea purpurea* and *Echinacea angustifolia*: From Tongue Tingling to UPLC Fingerprinting  
**Dale Schipper**, AMWAY

P-W-039  Rapid High Resolution Accurate Mass Multi-Class Multi-Residue Screening Method for Ashwagandha (*Withania somnifera*) Products  
**Praveen Sharma**, AB SCIEX

P-W-040  Metabolomic Profiling of Antimalarial Medicinal Plants and Phytomedicines from Burkina Faso  
**Silvia Sponza**, University of Veterinary Medicine Vienna

P-W-041  Evaluation of Glucosinolates and Isothiocyanates in *Brassica* spp. by UPLC  
**Nathan Stern**, AMWAY

P-W-042  Adulterated *Ginkgo* Extracts in Commercial Finished Products  
**Nathan Stern**, AMWAY

P-W-043  A Novel Approach for HPLC to UPLC Method Conversion for Natural Products  
**Nathan Stern**, AMWAY

P-W-044  Catechin Analysis Optimization with C18 and Cholester HPLC Columns  
**Ken Tseng**, Nacalai USA, Incorporated

P-W-045  Characterization and Determination of Digalactosyl Diglycerides in Wheat Ceramide  
**Douglas Vredeveld**, AMWAY

P-W-046  Advances in Sample Digestion of Dietary Supplements Containing Minerals and Heavy Metals Using High Pressure Asher  
**Anthony Wong**, Pharmavite

P-W-047  Automated ¹H NMR Screening of Energy Drinks Using Assure-RMS  
**Jimmy Yuk**, Bruker BioSpin

P-W-048  An NMR-Based Non-Targeted and Targeted Screening Method for *Ginseng* Extracts Using Assure-RMS  
**Jimmy Yuk**, Bruker BioSpin
DETECTION AND MEASUREMENT OF NATURAL TOXINS

P-W-049  A Very Sensitive ELISA Test for the Detection and Quantitation of Aflatoxin M\(_1\) (AFM\(_1\)) in Milk and Dairy Products
Mohamed Abouzied, Neogen Corporation

P-W-050  Screening of Plant and Fungal Metabolites in Wheat, Corn, and Animal Feed Using Automated Online Sample Cleanup Coupled to High Resolution Mass Spectrometry
Ebru Ates, Thermo Scientific

P-W-051  Determination of Deoxynivalenol and Deoxynivalenol-3-glucoside: Concentrated Crude Extract Injection versus Automated Sample Clean-up
Ebru Ates, Thermo Fisher Scientific

P-W-052  Simultaneous Determination of Total Aflatoxin, Ochratoxin A, and Zearalenone Using AO ZON PREP\(^\text{SM}\) in Conjunction with HPLC
Simon Bevis, R-Biopharm Rhone Limited

P-W-053  Simultaneous Determination of Total Aflatoxin, Ochratoxin A, and Fumonisin Using AOF MS-PREP\(^\text{SM}\) in Conjunction with LC-MS/MS
Simon Bevis, R-Biopharm Rhone Limited

P-W-054  Validation of an Automated System for Aflatoxins in a Range of Samples Using Online Immunoaffinity Cartridges in Conjunction with HPLC
Simon Bevis, R-Biopharm Rhone Limited

P-W-055  Mycotoxin Analysis in Grain Dusts—A Promising Field of Application for Rapid Test Systems
Scarlett Biselli, Eurofins WEJ Contaminants GmbH

P-W-056  Ochratoxin A—A Challenge in the Supply Chain of Cereals for Baby Food
Scarlett Biselli, Eurofins WEJ Contaminants GmbH

P-W-057  Evaluation of a Single Extraction for Use in Multi Mycotoxin Detection
Julie L. Brunkhorst, Trilogy Analytical Laboratory

P-W-058  The Occurrence of Mycotoxins Found in Retail Stores Across the USA
Julie L. Brunkhorst, Trilogy Analytical Laboratory

P-W-059  UPLC-MS/MS Method for the Routine Quantification of Regulated and Non-Regulated Lipophilic Marine Biotoxins in Shellfish
Jennifer A. Burgess, Waters Corporation

P-W-060  Advances in Analytical Capability for the Trace Level Detection of Mycotoxin Contamination in Animal Feeding Stuffs
Jennifer A. Burgess, Waters Corporation

P-W-061  Quantitative Determination of the Mycotoxin Oosporein in Maize Grain by Ultra High Performance Liquid Chromatography-Tandem Mass Spectrometry
Fred Claussen, EPL Bio Analytical Services

P-W-062  Solid Phase Extraction and UPLC MS-MS Detection of Senecione in Common Butterbur Petasites hybridus
Kurtis D. Crompton, Nutraceutical Corporation

P-W-063  AOAC RI Performance Tested Method\(^\text{SM}\) Certification for Three Quantitative Mycotoxin Lateral Flow Assays
Alan Davis, EnviroLogix Incorporated

P-W-064  Development and Validation of a Quantitative Lateral Flow Device for the Detection and Quantification of T-2 and HT-2 in Grains
Timothy Goldy, Neogen Corporation

P-W-065  Development and Validation of a Quantitative Lateral Flow Device for the Detection and Quantification of Ochratoxin in Grains
Timothy Goldy, Neogen Corporation

P-W-066  Polytron versus Geno/Grinder: Analysis of DSP Toxins in Oysters
Gale Hagood, Mississippi State Chemical Laboratory

P-W-067  Mycotoxins in Food and Feed: Validation of Quantitative LFD Tests
Donna Houchins, Romer Labs, Incorporated

P-W-068  Mycological and Aflatoxin Contamination of Peanuts Sold at Informal Markets in Kinshasa, Democratic Republic of Congo, and Pretoria, South Africa
David Katerere, Tshwane University of Technology

P-W-069  Absolute Quantification of Lipophilic Shellfish Toxin Standards by Quantitative \(^1\)H NMR
Tsuyoshi Kato, Japan Food Research Laboratories
P-W-070 Flexible Immunoaffinity Platform for the Detection of Aflatoxins in Food and Spice Samples  
Joseph Krebs, BIOO Scientific, Corporation

P-W-071 Multi-Class Mycotoxins Quantification: Simple Extraction with Analysis by Kinetex® Core-Shell Technology and Tandem Mass Spectrometry with Fast Polarity Switching  
Serena Lazzaro, Phenomenex, Incorporated

P-W-072 Occurrence of the Mycotoxin Citrinin in Red Yeast Rice and Various Commercial Monascus Products Analyzed by HPLC and LC-MS/MS  
Chia-Ding Liao, Taiwan Food and Drug Administration

P-W-073 The Use of Microflow UHPLC in Mycotoxin Analysis  
Stephen Lock, AB SCIEX

P-W-074 The Effect of Grind Size and Extraction Size on Aflatoxin Result Variability  
Collin L. Maune, Trilogy Analytical Laboratory

P-W-075 Determination of Pyrrolizidine Alkaloids in British Columbia Plants and Honey by High-Performance Liquid Chromatography with Mass Spectrometric Detection: Single-Laboratory Validation  
Elizabeth M. Mudge, British Columbia Institute of Technology

P-W-076 European Validation Study of RIDASCREEN® SET Total–An ELISA Based Method for Detection of Staphylococcal Enterotoxins Types SEA to SEE in Foods  
Ronald Niemeijer, R-Biopharm AG

P-W-077 Method Development for Simultaneous Determination of Eleven Mycotoxins in Dry Distiller’s Grains with Solubles by UPLC/MS/MS  
Cristina Nochetto, U.S. Food and Drug Administration

P-W-078 ToxiMet System for the Analysis of Mycotoxins and Other Food Toxins  
Siro Perez, ToxiMet Limited

P-W-079 Stable ¹³C-Labeled Internal Standards and a Novel Cleanup to Improve Accuracy and Sensitivity of Mycotoxin LC-MS/MS Methods  
Alois Schiessl, Romer Labs Division Holding GmbH

P-W-080 Sampling Aspects Can Affect Mycotoxin and Other Analyses  
Sheryl Tittlemier, Canadian Grain Commission

P-W-081 Lateral Flow Devices for Mycotoxins: Agrastrip® Water Based Extraction  
Vera Traar, Romer Labs Division Holding GmbH

P-W-082 ELISA Detection and Cytotoxicity of Ovatoxin-A and Other Palytoxin Analogues  
Aurelia Tubaro, University of Trieste

P-W-083 Comparison of Methodologies for the Determination of Aflatoxins, Ochratoxin A, and Fumonisins in Red Wine  
Anne-Marie Turcotte, Health Canada

P-W-084 A Sensitive ELISA for the Detection of Aflatoxin B₁ in Baby/Infant Food, Cereals, Nuts, Red Pepper, Liver, Feed, and Serum  
Piet Van Wichen, ZEU-IMMUNOTECH

P-W-085 Multivariate Optimization of a Solid Phase Extraction Method for Ochratoxin A in Wine and Beer Samples prior to UPLC-MS/MS  
Victor Vandell, Biotage

P-W-086 Rugged High-Throughput Analytical Approach for Determination and Quantification of Multiple Mycotoxins in Difficult Feedingstuff Matrices  
Milena Zachariasova, Institute of Chemical Technology-Prague

P-W-087 Mycotoxins in Herbal Dietary Supplements  
Veprikova Zdenka, Institute of Chemical Technology-Prague

P-W-088 Determination of Azaspiracids in Edible Shellfish by Modified QuEChERS Method Coupled with Ultra-High Performance Liquid Chromatography-Tandem Mass Spectrometry  
Shan Zhou, Agilent Technologies

P-W-089 Aflatoxin M1: Screening and Confirmatory Methods  
Fabio Zuccon, Istituto Zooprofilattico Sperimentale del Piemonte, Liguria e Vall