It is only April but it is never too early to begin planning for the EAS 2013 conference in November. Our planning for the Fall is well under way with our awards and invited sessions being finalized in the next few weeks. A preview of this November’s invited sessions and speakers are included below.

Please consider submitting your abstracts for oral and poster presentations for participation in our contributed sessions. Complementary papers to the topics mentioned below are especially welcome. Our deadline for contributed paper submissions has been extended until April 30th. This is your opportunity to share your work in depth with a broad group of scientists. Our goal is to involve each of you in this year’s theme, Analytical in Motion - Knowledge, Network, and Career.

EAS hosts many awards during the conference. The 2013 awardees have been announced and the programs for their award sessions are below. These are the stellar scientists in the fields of analytical chemistry and the sessions guarantee to invigorate us around future directions. This year we are particularly excited about our Fields award winner, Dr. Irving Wainer from the NIH, presenting a plenary lecture for all of EAS on Monday, Nov. 18th in the late afternoon. This presentation will be followed by a time of networking and refreshments with all attendees of EAS invited to attend. This is not an event to miss. **Justin Pennington, 2013 EAS Program Chair**

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**Award Sessions**

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<td>Ruin Moaddel, National Institutes of Health</td>
<td>Irving Wainer</td>
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**EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN THE FIELDS OF ANALYTICAL CHEMISTRY**

**Ramp up the Pressure, Turn up the Heat: Secondary Effects in Chromatographic Method Scaling**, David Lloyd, Bristol-Myers Squibb

**Chirality in Bioanalysis and why we need Chiral Chromatography even with Enantiomerically Pure Drugs**, Anne-Francoise Aubry, Bristol-Myers Squibb

**High-Performance Affinity Microcolumns: Recent Developments in Clinical Testing, Pharmaceutical Analysis and Biointeraction Studies**, David Hage, University of Nebraska

**Biochromatography an Endless Frontier**, Gabriella Massolini, Department of Drug Sciences

**Whenever Someone Says: "Everybody knows that…." Stop listening**, Irving Wainer, National Institutes of Health

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**EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN NEAR INFRARED SPECTROSCOPY**

**Honoring Ms. Susan Foulk, Guided Wave**

Session Chair: Katherine Bakeev, B&W Tek, Inc

**NIR for a Quarter Century**, Susan Foulk, Guided Wave

**TBA**, Shashi Mistry, Suncore

**Monitoring, Online and in Real Time, the Coating of an Active Solution onto Tablets by Near Infrared Spectroscopy**, Benoit Igne, Duquesne University

**Multivariate Optical Computing in Oilfield Exploration**, Micky Myrick, University of South Carolina

**Near Infrared Spectroscopy for Assessment of Fetal, Maternal and Infant Health**, David Burns, University of New Brunswick

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**EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN MAGNETIC RESONANCE**

**Honoring Dr. Dennis A. Torchia**

Session Chair: Edwin D. Becker, National Institutes of Health

**Sponsored by Bruker BioSpin and New Era Enterprises**

**NMR in Structural Biology: Synergy of Solid- and Solution-State Approaches**, Dennis A. Torchia, National Institutes of Health

**Alpha-Synuclein, an Intrinsically Unstructured Protein. How Interesting can it be?**, Ad Bax, National Institutes of Health

**Seeing the Invisible by Solution NMR Spectroscopy**, Lewis Kay, University of Toronto

**High Frequency Dynamic Nuclear Polarization**, Robert Griffin, Massachusetts Institute of Technology

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**EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN MASS SPECTROMETRY**

**Honoring Dr. Michael L. Gross**

Session Chair: David Russell, Texas A&M University

**Sponsored by Thermo Fisher Scientific**

**Mass Spectrometry for Assessing the Occurrence and Biological Consequences of Oxidatively Induced DNA Lesions**, Yinsheng Wang, University of California, Riverside

**Mass Spectrometry as a Tool for Structural Biology**, Lisa M. Jones, IUPUI

**Environment-Dependent Conformational Preferences of Peptides and Proteins**, David Russell, Texas A&M University

**Mass Spectrometry-Based Protein Footprinting: A Tool for Biophysics**, Michael L. Gross, NIH/Washington University St. Louis

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Award Sessions continued

EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN CHEMOMETRICS
Honoring Dr. Olav Martin Kvalheim, University of Bergen
Session Chair: Svante Wold
Sponsored by Eigenvector Research
Metabolic Profiling as the Fundament in Personalized Theranostics, Torbjørn Lundstedt, Uppsala University
Biomarker Signatures for Disease Classification, Tarja Rajalaihti Kvalheim, The Norwegian Multiple Sclerosis Competence Centre
Latent Variables - What are they, Svante Wold
Interpretation of Multivariate Data by I Atent Variables, Olav Martin Kvalheim, University of Bergen

EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN SEPARATION SCIENCE
Honoring Dr. Mark R. Schure, Kroungold Analytical, Inc.
Organizer: J. Ilja Siepmann, University of Minnesota
Sponsored by Agilent Technologies
Orthogonal Separations: Metrics and Definitions in 1-D and 2-D Chromatography, Mark R. Schure, Kroungold Analytical, Inc.
Adventures in Two-Dimensional Liquid Chromatography, Peter W. Carr, University of Minnesota
Resolution of Transport and Kinetic Limitations in Protein Exchange in Polymer-Functionalized Adsorbents, Abraham M. Lenhoff, University of Delaware
Understanding Retention in RPLC: Insights from Molecular Simulation, J. Ilja Siepmann, University of Minnesota

AMERICAN MICROCHEMICAL SOCIETY BENEDETTI-PICHLER AWARD
Honoring Dr. Mark A. Hayes, Arizona State University
Session Chair: Joseph Sneddon, McNeese University
Analysis of Vesicle Contents with Electrochemistry and Mass Spectrometry, Andrew Ewing, University of Gothenburg
TBA, Edgar Arriaga, Minnesota University
Microscale Separations Applied to Studies of Protein Aggregation, Doug Gilman, Louisiana State University
Punctuated Microgradients for Bioanalysis, Mark A. Hayes, Arizona State University

NEW YORK SECTION OF THE SOCIETY FOR APPLIED SPECTROSCOPY GOLD MEDAL AWARD
Honoring Prof. Stephen P. Cramer, University of California
Session Chair: Deborah A. Peru, Colgate-Palmolive Co.
Synchrotron X-Ray Spectroscopy - How 10 Orders of Magnitude Makes Hard Things Easy", Stephen P. Cramer, University of CA
X-Ray Emission Spectroscopy - A Powerful Tool to Sudy Biocatalysts, Uwe Bergmann, Linac Coherent Light Source
Development of Nuclear Resonant Vibrational Spectroscopy and its Applications in Enzyme Dynamics, Esen Ercan Alp, Advanced Photon Source
The Good, the Bad and the Ugly: Understanding the Roles of Metals in Biology using Synchrotron Radiation, Graham George, University of Saskatchewan

Invited Sessions

BIOANALYSIS/BIOTECHNOLOGY
New Technology for Quantitation of Intracellular Drugs in Transporter Studies
Chair: Mingshe Zhu, Bristol-Myers Squibb
Tailor-Made Transporter Assays for Stage-Specific Drug Discovery and Development, Imad Hanna, Novartis
Leveraging High-Throughput Transporter Inhibition Assays to Drive Decision Making and Enhance ADMET Knowledge, Lisa Elkin, Bristol-Myers Squibb
High-Throughput LC/MS/MS Based Permeability and Transporter Assays in Early Drug Discovery, Hui Zhang, Pfizer
Application of New Analytical Technology to Transporter Assays in Support of Drug Development, Ming Yao, Bristol-Myers Squibb

CHEMOMETRICS
Advancements in Chemometric Data Treatment
Chair: Benoit Igne, Duquesne University
The Role of Chemometrics in Chromatography, Brian Rohrback, Infometrix
TBA, Karl Brooksh, University of Delaware
On the Relationship between Whitened Principle Components Analysis, Neal Gallagher, Eigenvector Research

CHROMATOGRAPHY
Carbon Dioxide-Based HPLC: Modern SFC
Chair: Larry Taylor, University of Virginia Tech
Evaluation of Non-Conventional Solvents on Immobilized Chiral Stationary Phases with Supercritical Fluid Chromatography, Jimmy DaSilva, Merck
Development of a Strategy to Transfer SFC Methods from Analytical to Preparative Scale, Chris Hudalla, Waters
Use of Supercritical Fluid Chromatography to Improve Efficiency of Medicinal Chemistry Purification, Larry Miller, Amgen
TBA, Terry Berger, Aurora-Agilent

 Advances in Fast and High Performance Bio-Analytical Separation Techniques, sponsored by the Chromatography Forum of Delaware Valley
Chairs: William Barber and Xiaoli Wang, Agilent Technologies
High Resolution LC-MS Peptide Separations with Formic Acid Mobile Phases using Charge Surface Modified C18 Columns, Matthew Lauber, Waters
Advances in Sample Preparation and Chromatographic Separations in Bioanalytical Analyses, David Bell, Supelco
Recent Innovations in Core Shell HPLC Columns for the Separation of Biomolecules, Jason Anspach, Phenomenex
Challenges and Rewards for Fast and High-Performance Techniques for Protein Separations-Application Point of View, Phu Duong, Agilent Technologies

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<td>Systematic Investigation of Factors that Affect Precision in HPLC, Mary Ellen McNally, DuPont Crop Protection</td>
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<td>Advancements in Stationary Phase Chair: Landon Greene, Bristol-Myers Squibb</td>
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<td>Carbon-Based Phases Revisited: New Chemistries, and a Fresh Perspective on Old Chemistries, Dwight Stoll, Gustavus Adolphus College</td>
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<td>The Development and Utilization of Sub-2 Micron Chromatography Columns, Matthew Przybycień, ES Industries</td>
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<td>Modernization of the USP Monograph with a Focus on the Consumer Products/ OTC Industry, Leonel Santos, United States Pharmacopeia</td>
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<td>Microscopy and Imaging Approaches for Solving Problems and Delighting Consumers, Ian Henry, Procter &amp; Gamble</td>
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<td>Implementation Challenges of Near IR Analysis in the Consumer Products Industry, Ramon Santana, Colgate-Palmolive Company</td>
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FORENSIC ANALYSIS continued
Forensic Microscopy VII "What is it? Who does it?"
Chair: Thomas Kubic, John Jay College
Firearms and Fabric, Peter Diczuk, John Jay College
Microanalysis of Environmental Particulates, Randy Boltin, MVA Scientific Consultants
Does your UV-Visible Microspectrometer have Intrinsic Polarization?, Dale Purcell, John Jay College
Forensic Microscopical Examination of Dust, Nick Petraco, New York City Police Department Crime Laboratory

LABORATORY MANAGEMENT
The Key to a Successful Lab: Work Smarter, organized by ALMA
Chair: Dennis Swijter, International Flavors and Fragrances
Coaching your Team to Improved Performance, Stephanie Olexa, Lehigh University
S.M.A.R.T. Laboratory Practices, Julius Buenconsejo, Keppel Seghers Engineering
Managing for Increased Productivity in a Rapidly Evolving Analytical Landscape, Richard Durand, Sun Chemical
Leadership in Safety: The Managers Role, James Kaufman, Lab Safety Institute

MASS SPECTROMETRY
Mass Spectrometry – A Powerful Technology for the Biotech and Pharmaceutical Scientist, organized by American Chemical Society North Jersey Mass Spectrometry Discussion Group
Chair: Robert Iannucci
Dysregulation of Kynurenine Metabolites in Mouse Models of Inflammation Associated Depression, David Budac
A Chemical Derivatization Approach for the Quantification of Genotoxic Impurities HOPO and EDAC-HCl at Sub-ppm Level by LC-MS/MS, Wei Ding, Bristol-Myers Squibb
Enabling Rapid, Sensitive Peptide Quantitation Through Automation and Nano-LC-MS, Weixun Wang, Merck

NMR SPECTROMETRY continued
Structural Studies by Magnetic Resonance Spectroscopy
Chair: Patrick van der Wel, University of Pittsburgh School of Medicine
EPR and NMR Studies of Membrane Proteins, Gary Lorigan, Miami University
Structural Basis for Membrane Disruption by Model Amyloid Peptides, Simon Sharpe, University of Toronto
Mechanism of Transient Sequential Domain Interactions in Nonribosomal Peptide Synthetases Revealed by NMR, Dominique Frueh, Johns Hopkins School of Medicine
Amyloid Fibrils in Alzheimer's Disease, from Test Tube to Human Brain, Wei Qiang, National Institutes of Health
Investigating the Structure, Oligomerization, and Topology of Caveolin-1, Jebrell Glover, Lehigh University
Application of NMR Crystallography to Drug Development, Heather Frericks Schmidt, Pfizer

PHARMACEUTICAL ANALYSIS
USP Compendial Standards: Recent and Future Updates
Chairs: Kim Huynh-Ba, Pharmalytik and Leonel M. Santos, United States Pharmacopeia (USP)
Impurities in Drug Products: Recent Updates, Antonio Hernandez-Cardoso, USP
Dissolution/Drug Release Testing - Compendial Updates, Erika Stippler, USP
USP Packaging Standards - Recent Changes and those to Come, Desmond Hunt, USP
Recent Revision of Spectroscopy Chapters, Horacio Papa, USP

Analytical Inhalation Session: Bringing Patients into the Lab
Chair: Jennifer Wylie, Merck
Nasal Casts, Julie Suman, Next Breath
Flow Profile Simulator, Joe Kocinsky, Mannkind
Next Gen Cascade Impaction, Adrian Goodey, Merck
Bioanalytical Method for Tobramycin, Min Li, Virginia Commonwealth University

PAT for Continuous Manufacturing and Real-Time Release Testing (RTRT)
Chair: Joseph Medendorp, Vertex Pharmaceuticals
PAT Options for Measuring Induction Seals and Blister Packs, Robert Lodder, BioSpherix
A Look at RTRT Nearly One Decade Following Approval, Steve Short, Merck
Method Development, Method Validation, Specifications and Data Reporting for RTRT, Henrik Rasmussen, Vertex
Application of an Advanced Process Controller to a Continuous Mixing / Direct Compression Process, Daniel Blackwood, Pfizer

NMR SPECTROMETRY
NMR of Molecules: Small and Large
Chair: Tatyana Polenova, University of Delaware
Utility of NMR in the Development of Protein Drugs, Luciano Mueller, Bristol Myers Squibb
Regulation of Protein Tyrosine Kinase Signaling in Bacteria, Ranajeeet Ghose, CUNY- CCNY
Molecular Dynamics Revealed: A 2H Solid-State NMR Investigation, Bernie O'Hare, Bruker Biospin
Anisotropic Interactions in MAS Solid-State NMR Spectroscopy: Methodology Development and Applications in Protein Assemblies, Guangjin Hou, University of Delaware
Molecular Insights into the Recognition of Cellular Membrane Geometry, Fang Tian, Penn State-Hershey
TBA, LV Lakshmi, Rensselaer Polytechnic Institute

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SPECTROSCOPY continued

Advanced Vibrational Spectroscopy: Instrumentation and Applications, organized by the Coblentz Society
Chair: Ian Lewis, Kaiser Optical Systems

Calibration Standards to Facilitate Data Exchange Between Raman Spectrometers, Aaron Urban, NIST

Coupling QbD with Raman Spectroscopy, John Wasylyk, Bristol-Myers Squibb

Handheld Spectrometers: Providing Answers in the Field, Richard Crocombe, Thermo Fisher Scientific

High Spatial Resolution Infrared Spectroscopy and Imaging using AFM Detection, Curt Marcott, Light Light Solutions, LLC

SURFACE ANALYSIS

Spectroscopy at Surfaces and Interfaces
Chair: Lars Gundlac, University of Delaware

Two-Dimensional IR Spectroscopy: A New Technique for the Analytical Sciences, Martin Zanni, University of Wisconsin Madison

Photophysics of Single to Multiple Excitons in Carbon Nanotubes, Todd Krauss, University of Rochester

Using Nanoparticle to Probe Diffusion of Glassy Surfaces at Nanometer Length Scale, Zahra Fakhraai, University of Pennsylvania

Using Ultrafast Pump-Probe Microscopy to Image Carrier Migration and Carrier Recombination in Si and ZnO Nanowires, John Papanikolas, University of North Carolina - Chapel Hill

Environmental Surface Chemistry
Chair: John Newberg, University of Delaware

Scenes from the Edge: Atmospheric Chemistry of Environmental Interfaces, Faye McNeil, Columbia University

Interactions of Oxalic Acid on Ice, Liang Chu, University of Albany

Photolysis of Pollutants on Water and Ice Surfaces in the Presence of Environmental Contaminants, Tara Kahan, Syracuse University

Heterogeneous Reactions on Ice and Metal Oxide Surfaces Studied In-Situ by X-Ray Photoelectron Spectroscopy, Hendrik Bluhm, Lawrence Berkeley National Lab

ADDITIONAL INVITED SESSIONS

- EAS New Faculty Award in NMR Spectroscopy
  Chair: Tatyana Polenova, University of Delaware

- Innovations in Forensic Drug Analysis
  Chair: Thomas Blackwell, DEA Northeast Laboratory

- Industrial Microscopy
  Chairs: John R. Reffner, Dow and George R. Munzing Jr., BASF Corporation

- What's New in NIR Analysis?
  Chair: David Hopkins, NIST

- Applications of NMR in the Pharmaceutical Industry
  Chair: Gary Martin, Merck

- Chromatography
  Chair: Neil Danielson

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