



DIVISION of ANALYTICAL CHEMISTRY
Subdivision of Chromatography and Separations Chemistry

Spring 2016 Newsletter

Greetings from the Officers and Executive Committee! Welcome to a new year of exciting advances in the field of chromatography and separations chemistry. Your newly elected and returning subdivision representatives are proud to serve the division. We hope to see you at the *annual meeting on Monday, March 7* at Pittcon in the Georgia World Congress Center, Room C210 from 12:00 to 2:00 pm. With your partnership we look forward to another productive year for the subdivision!

Chair



Lisa Holland is a Professor of Chemistry at West Virginia University, specializing in microscale separations of biomolecules relevant to human health. She enjoys teaching instrumental analysis to undergraduate and graduate students and mentoring the many outstanding graduate students who have studied separation science at WVU. She received her B.S. degree in Chemistry from the University of Maryland at College Park, while working in the Electroanalytical Research Group at the National Institute of Standards and Technology. She obtained her Ph.D. in Chemistry from the University of North Carolina at Chapel Hill under the direction of Professor James Jorgenson. Through a National Research Service Award she held a postdoctoral fellowship under the direction of Professor Susan Lunte in the Department of Pharmaceutical Chemistry at the University of Kansas. Dr. Holland is the recipient of a National Science Foundation Faculty Early Career Development award, has served on the scientific committee of national and international conferences, and has numerous publications in the field of separation chemistry.

Past Chair



Karen Phinney joined NIST as an NRC postdoctoral fellow in 1994. Her early work at NIST focused on applications of supercritical fluid chromatography and capillary electrophoresis to enantiomeric separations. She then became involved in development of analytical techniques for clinical and nutritional analytes, including vitamin D, and developed expertise in mass spectrometric methods. She has been responsible for the development of reference materials and reference methods for forensic, clinical, and nutritional markers and has led efforts to develop standards for proteomics and metabolomics. In her current role as group leader of the Bioanalytical Science Group, she is involved in the development of techniques for protein characterization and quantification, including therapeutic proteins and protein biomarkers. She received her Ph.D. in analytical chemistry from the University of Hawaii – Manoa and also received an M.S. in biotechnology from Johns Hopkins University.

Chair-Elect



Catherine (Kate) A. Rimmer earned her Ph.D. in Analytical Chemistry from Florida State University. After her graduate work she accepted an NRC postdoctoral fellowship at the National Institute of Standards and Technology where she investigated fundamental liquid chromatographic retention mechanisms. She has remained as a Research Chemist at NIST where she is the organic program coordinator for dietary supplement reference materials and a co-coordination of the dietary supplement laboratory quality assurance program. Kate has served on the United States Pharmacopeia (USP) Dietary Supplements-Non Botanicals, and Reference Standards expert committees and on several of the AOAC's stakeholder panels, working groups, and expert review panels. In addition, Kate continues to investigate the development of stationary phases for liquid chromatography. She has been an active member of the Washington Chromatography Discussion Group where she has served one term as president, two terms as program chair, and two terms as a board member. She has also served as an executive board member and two terms as secretary for the ACS SCSC.

Secretary



Doug Gilman has been a faculty member in Chemistry at Louisiana State University in Baton Rouge since 2004 after starting his faculty career at the University of Tennessee in 1997. He started performing separations as an undergraduate synthetic chemist at Harvey Mudd College, but actually began understanding those separations as a graduate student with Andy Ewing at Penn State. His research has focused on capillary electrophoretic separations, related detection techniques and bioanalytical applications. Current interests include capillary electrophoretic enzyme assays and studies of immobilization of magnetic particles in microfluidic systems. Moving to LSU finally provided an opening to teach separations, which wasn't possible with Georges Guiochon and Mike Sepaniak trading the class back and forth at Tennessee. Proving his commitment to the field, Doug married a Ph.D. chemist (Indu Kheterpal) who is trained as a separation scientist and manages a group in industry that includes analytical separations. So far their teenage children have indicated no interest whatsoever in continuing the family tradition.

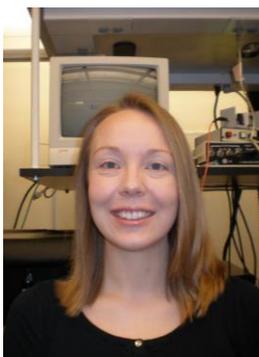
Executive Committee (in alphabetical order)



Jonathan Edelman is currently the head of Northeast Sales and Marketing for LECO Corporation separation science division. He began his career as an analytical chemist in the pharmaceutical industry. Jonathan then moved into a sales and marketing capacity finding his love of science was easily and effectively combined with strategic business expansion goals. His current appointments include: Executive board member of the American chemical society separations subchapter, Organizing committee member for HPLC 2016 conference, Industrial organizing committee for the PREP symposium, Program Chair at the Chromatography Forum of Delaware Valley and president at the Washington Chromatography Forum.



Amber Hupp is an Assistant Professor of Chemistry at the College of the Holy Cross in Worcester, MA, where she's been teaching and performing research for the past six years. Trained by Professor Vicki McGuffin at Michigan State University (and before that at Kalamazoo College), she is an analytical chemist specializing in liquid and gas chromatographic separations. Amber teaches a range of courses ranging from Environmental Chemistry to General Chemistry to Instrumental Analysis. Her research involves understanding the chemical composition of biodiesel fuels using gas chromatography. The Hupp Group utilizes chemometric methods to further analyze the fatty acid methyl esters and sterols present in biodiesel produced from different feedstocks as well as biodiesel diesel blended fuels. She has served as an executive board member of the subdivision for the last year and in that role has organized an ACS co-sponsored session for Pittcon 2016 (Check out "Chemometrics – A New Dimension in Chromatography on Tuesday morning of Pittcon week).



Michelle Kovarik grew up in northern Kentucky and obtained her B.S. in chemistry from Saint Louis University. During this time, she became involved in undergraduate research on microfluidics, which sparked a life-long interest. As a result, she did her graduate work on nanofluidic devices at Indiana University with an emphasis on understanding electrokinetic transport phenomena. She went on to pursue postdoctoral work at the University of North Carolina, doing electrophoretic separations of peptide reporters from single cells. During her postdoc, Dr. Kovarik was fortunate to be part of the Seeding Postdoctoral Innovators in Research and Education (SPIRE) program, which allowed her to integrate research and teaching during two semesters at North Carolina A&T State University. She started a faculty position at Trinity College in Hartford, CT in 2013 and is excited to share her passion for precise chemical measurements and efficient separations in the classroom and in interdisciplinary research at the boundaries of chemistry, biology, and engineering.



Irena Maksimovic currently works as a Project Specialist at Bristol-Myers Squibb (BMS). In her current role, Irena supports cross functional teams and respective expertise areas responsible for the development of new drug products. She is responsible for managing deliverables required to fulfill CMC requirements and timelines for all regulatory submissions. In her previous role in BMS, she was responsible for analytical activities for API and DP development including method development and validation, testing and release, stability studies, specifications, regulatory filings and method transfers. Before joining BMS, she worked for Merck as a Senior Scientist responsible for developing and validating stability indicating methods for API and DP, and for method transfer to worldwide QC labs. She received her Ph.D. degree in Analytical Chemistry from the University of Cincinnati, where she also completed her postdoctoral training.