

- Dr. Scott Russell, University of California, Stanislaus; "Rapid Detection and Identification of Microorganisms Using Mass Spectrometry" (April 28, 2009)
- Dr. Mattanjah S. de Vries, Department of Chemistry and Biochemistry, University of California, Santa Barbara; "History Detectives: Shedding Light on the Origin of Life and on Archaeology by Gas Phase Laser Spectroscopy" (April 14, 2009)
- Dr. O. David Sparkman, Chemistry Department, University of the Pacific; "What's New in Mass Spectrometry from PittCon 2009" (April 7, 2009)
- Dr. Jacqueline Houston, California State University, Sacramento; "Ligand Exchange from μ_3 -Oxo Transition Metal Clusters: Connecting Molecular Structure to Kinetic Reactivity using NMR" (March 24, 2009)
- Dr. William F. Carroll, Jr., ACS President (2005); "From Garbage to Stuff: How We Recycle Plastics" (March 3, 2009) Courtney Hodges, University of California, Berkeley; "What Happens When Pol II Encounters a Nucleosome?" (March 3, 2009)
- Andras Boedi, Molecular Dynamics Group, Paul Scherrer Institute in Switzerland; "Internal Energy Selection in Gas Phase Ions: Dissociation Mechanisms, Trends, and Accurate Energetics" (February 24, 2009)
- Phillip Chou, Melissa Mayo, and Mike Cleary, E&J Gallo Winery; "Applying Chemistry to Decisions in Grape Harvesting and Winemaking" (February 17, 2009)
- Dr. Christian Melander, Department of Chemistry, North Carolina State University, "Small Molecule Control of Bacterial Behavior" (February 10, 2009)
- Dr. Andy Li Wang, University of California, Merced; "Tick-tock of a Biological Clock: The Biochemistry of Telling Time" (February 3, 2009)
- Dr. Arnold Falick, University of California, Berkeley; "Identification of Proteins via MS/MS" (January 27, 2009)
- Dr. Bill von Meyer, retired Chairman of Fairview Industries, Inc. in Pendleton, South Carolina; "Bridges to the Future in Bio-Pathology and Chemistry" (January 22, 2009)
- Professor Emeritus Jack T. Watson, Departments of Biochemistry and Chemistry, Michigan State University, East Lansing; "Interleafing Chemistry with Mass Spectrometry to Map the Disulfide Structure of Proteins" (January 13, 2009)