

Mass Spectrometer Users Group
Kalamazoo American Chemical Society
Southwest Michigan Innovation Center
5:30-7:00 pm, Thursday, Feb 24, 2011

The inaugural meeting of Kalamazoo American Chemical Society Local Section Mass Spectrometry Discussion Group took place on February 24, 2011. The meeting was attended by 22 area mass spectrometrists and other interested persons. Attendees spanned the gamut from students to retirees, job seekers to employers, pharmaceutical execs to technicians. During the meeting three area scientific service providers presented a brief outline of their business activities, capabilities and interests. Presenters were Jim Nielson from Ceetox, Greg Cavey from the Southwest Michigan Innovation Center (SMIC), and Barclay Shilliday from MPI.

Jim Nielson's company owns two Waters triple quadrupole instruments and specializes in toxicology and ADME analysis including analysis of personal care products. Greg Cavey manages a new SMIC core life science lab that rents equipped lab space for entrepreneurs and provides mass spectrometry contract services. Greg's lab operates a Thermo-Scientific liquid chromatography quadrupole ion trap mass spectrometer for small molecule quantitation, a Waters time-of-flight mass spectrometer for high resolution-accurate mass measurement of compounds, peptides and intact proteins. The SMIC core lab also has a Waters two-dimensional nanoAcquity UPLC on-line with a Waters quadrupole – time-of-flight instrument. Greg uses this instrument to provide extensive proteomics services including protein/drug target identification, peptide mapping for protein characterization, and quantitative profiling of complex protein mixtures for pathway analysis and biomarker discovery. Finally, Barclay Shilliday illustrated the mass spectrometry capabilities available at MPI, which includes the state of the art Thermo Scientific Orbitrap mass spectrometer capable of a resolution of 30,000, enhanced with special software capabilities for metabolomic and proteomic studies.

The event was sponsored by the Kalamazoo American Chemical Society Local Section and the Southwest Michigan Innovation Center.



Andre Venter, MS User Group chair



Jim Nielsen, Ceetox



Greg Cavey, Southwest Michigan Innov. Ctr.



Barclay Shilliday, MPI