

Fundamentals Interest Group Workshop and Business Meeting
ASMS 2013, Minneapolis, MN

Workshop Title: **Ion Structures and Energetics, and Ion-Molecule Reaction Kinetics in the Gas Phase (in Honor of Peter B. Armentrout's 60th Birthday)**

Presided by: Glen Jackson and George Khairallah
Meeting Date: Wed, June 12, 2013, 5:45-7:00 pm in room 205 AB
Attendance: 125 (peak), ~150, total



The workshop started with a brief introduction by Glen Jackson before handing the proceedings to Rob Dunbar (Peter Armentrout's undergraduate advisor). Rob made a light-hearted short presentation covering Peter's early days at Case Western University as an undergraduate student and as a young researcher. Rob showed various photos and highlighted Peter's first paper (with Rob) published in 1977 in IJMS and ion processes.

Glen then made a presentation covering Peter's career and accomplishments, including Peter's prolific publication and citation history. He then read quotes sent to him by many of Peter's students.

Glen then initiated the business part of the meeting polling the audience for ideas for oral sessions and workshop topics and asked attendees to email the chair with ideas. The audience expressed interest in a workshop on helping researchers identify which modeling and simulation software to use for which applications. Glen asked for nominations for interest group co-chair for next year (2014) Jos Oomens was the only volunteer. Jos is very well known in the field and would be an excellent candidate for Chair-elect. The last part of the workshop was the traditional short powerpoint presentations from three graduate students and early career post-docs who are active in the area of fundamental mass spectrometry.

The first presenter was Andrii Piatkivskyi from Victor Ryzhov's group. His presentation was entitled "radical ions of tryptophan-containing peptide" showing a combination of CID and IRMPD spectroscopy results. The second presenter, Jinshan Gao, is a post-doc researcher in Jack Beauchamp's group (Peter's PhD advisor). Jinshan's presentation was entitled "Programming Glycans for Controlled Self Destruction using Acid-Base and Radical Chemistry". The last presenter was Chris Hansen from Adam Trevitt's and Stephen Blanksby's group. His presentation was entitled "Why are N-substituted pyridine cations well-suited to UVPD action spectroscopy?" which showcased their recently-built mass spectrometer for the purpose of studying gas-phase ions via UV-Vis spectroscopy. All talks sparked interest and friendly questions from the audience. The young researchers gave very high quality talks and the audience provided thoughtful feedback to the presenters.

We would like to thank all presenters, the audience, Rob and Peter, for making the workshop enjoyable and informative.