

Fundamentals Interest Group Workshop and Business Meeting  
ASMS 2014, Baltimore, MD

Workshop Title: **Gas Phase Ion Chemistry- Thermochemistry, Kinetics and Structures.**  
(In honor of John Bartmess 65<sup>th</sup> birthday)

Presided by: George Khairallah and Jos Oomens  
Meeting Date: Tuesday, June 17, 2014, 5:45-7:00 pm in room 339-340  
Attendance: 120 (peak), ~150-160 in total

The proceedings started with an introduction to the workshop by George Khairallah before briefly introducing the honoree, John Bartmess. Kelsey Cook, a longtime colleague of John, then made a light-hearted short presentation with many anecdotes covering some of John's career.

George then initiated the business part of the meeting, polling the audience for ideas for oral sessions and workshop topics and the attendees were asked to email the chair with ideas. Most attendees indicated their displeasure with the continuous decline in the number of "fundamentals" sessions during the ASMS conferences and many topics were suggested for potential oral sessions or the workshop. Some of these suggestions included: (i) negative ion chemistry; (ii) Kinetics of ion-molecule reactions; (iii) Chemistry of cold ions and; (iv) Metal catalyzed reactions. The last part of the business meeting requires the nomination of a new co-chair of the fundamentals group for next year (2015). Alessandra Ferzoco was nominated and selected.

The last part of the workshop, the traditional short powerpoint presentations (no more than ~ 5 mins) followed by discussions, was presided by Jos Oomens. It included presentations from esteemed scientists, early career researchers and PhD students.

The first presenter was Peter Armentrout. Peter's presentation was entitled "Odd dynamics in the oxidation reactions of Re<sup>+</sup> and Os<sup>+</sup>. Formation of ground and electronic states?"  
The second presenter, Sandra Osburn, is a post-doc researcher in Richard O'Hair's group. Her presentation was entitled "Reactivity of Protonated Amine Thiols and Their Radicals".  
The third presenter was Josipa Grzetic from Jos Oomens' group. Her presentation was entitled "Fragmentation chemistry of Asn and Gln containing peptides – contrasts between small b-type ions".  
The fourth presenter, Charles Nichols, is a PhD student from Veronica Bierbaum's group. His presentation was entitled "Gas Phase Acidities of Azoles: Experimental and Computational Studies".  
The last presenter was Michael Van Stipdonk with a presentation entitled "CID of uranyl-nitrile complexes revisited, or, *How we've fallen in love with the LTQ-XL*"

All talks sparked interest and were well received with the audience providing feedback to the presenters.

We would like to thank all presenters and audience for attending and getting actively involved in the discussions and would like to highlight that a Linkdin group is formed under the name "Mass Spectrometry Fundamentals - ASMS Interest Group"