SCHEDULE OF PRESENTATIONS

Friday, January 12

3:30 PM  CHECK-IN AND ROOM ASSIGNMENTS

5:30 – 6:30 SOCIAL HOUR (Poster presenters, please put your poster up during the welcome social)

6:30 - 7:30  DINNER

SESSION I  Presider: Ryan Julian

7:45 - 8:10  “Cation-π Interactions: Model Systems for Protein Side Chain Interactions”, Nuwan Hallowita, Hamid Ahmed, and Mary T. Rodgers*, Wayne State University, Detroit, MI.

8:10 - 8:35  “Gas Phase Reactivity of Protonated Alcohol Dimers: An Experimental and Theoretical Investigation of Alcohol, Water, and Alkene Loss”, Damon R. Carl, Alice, England, and Peter B. Armentrout*, University of Utah, Salt Lake City, UT.

8:35 – 9:00  “Size-Dependent Charge-Separation Reaction for SO$_4^{2-}$(H$_2$O)$_n$ with $n = 3$-7”, Bing Gao and Zhi-feng Liu*, University of California, Santa Barbara, CA.

9:00 – 11:00  POSTER SESSION, DRINKS, AND DISCUSSION
POSTER PRESENTATIONS


2. “Structural Investigation of HIV-1 Central Flap Sequence: Possible Formation of a G-Quadruplex”, Nicholas G. Dupuis and Michael T. Bowers*, University of California, Santa Barbara, CA.


4. “Metal Oxide and Carbide Thermochemistry of Hf⁺, Ta⁺, and W⁺”, Christopher S. Hinton, Feng-Xia Li, and Peter B. Armentrout*, University of Utah, Salt Lake City, UT.

5. “Surface-Induced Dissociation Using Derivatized Silicon Surfaces”, Yimin Hua, Shai Dagan, and Vicki H. Wysocki*, University of Arizona, Tucson, AZ.


8. “Methane Activation by Ta⁺ and Ta²⁺”, Laura G. Parke, Chris S. Hinton, and Peter B. Armentrout*, University of Utah, Salt Lake City, UT.

9. “Using ESI-MS to Investigate Magic TFA Trimers as Non-covalent Protein Adducts”, Emily Spencer and Ryan Julian*, University of California, Riverside, CA.

Saturday, January 13

8:00 – 8:45  BREAKFAST

SESSION II  Presider: Daniel Austin


9:35 – 10:00  “Formation, Stability and Conformation Study of Quadruplexes Using ESI-MS”, Jiang Zhou and Gu Yuan*, University of California, Santa Barbara, CA.

10:00 – 10:25  “Probing Fragmentation Behavior of Glycopeptide Ions Derived from Non-specific Proteolysis”, Richard R. Seipert, Eric D. Dodds, Brian H. Clowers, Sean M. Beecroft, and Carlito B. Lebrilla*, University of California, Davis, CA.

10:25 – 10:40  BREAK


11:30 – 11:55  “Surveying Protein Side-chain Accessibility and Topography Using 18-Crown-6 Ether and Bis(crown) Derivatives by ESI-MS”, Tony Ly and Ryan Julian*, University of California, Riverside, CA.

12:00 – 2:30  LUNCH AND FREE TIME
SESSION III Presider: David V. Dearden

2:30 – 2:55 “Ion Mobility Studies of Electronically Excited States of Atomic Transition Metal Cations: Development of an Ion Mobility Source for Guided Ion Beam Experiments”, Christopher Iceman, Chad Rue, Robert M. Moison, B. K. Chatterjee, and Peter, B. Armentrout*, University of Utah, Salt Lake City, UT.


4:10 – 4:30 BREAK

4:30 – 4:55 “Dissociation Energetics of Protonated Acidic Amino Acids and Their Amide Derivatives”, Amy L. Heaton, Robert M. Moison, and Peter B. Armentrout*, University of Utah, Salt Lake City, UT.


5:20 –5:45 “Hydration of Biopolymers: Studies of Selected Model Systems”, Thomas Wyttenbach, Bing Gao, Dengfeng Liu, and Michael T. Bowers*, University of California, Santa Barbara, CA.


6:30 - 8:00 DINNER
8:00 - 9:00 ? SATURDAY EVENING

Presider: Mary T. Rodgers

“A Positively Charged Life in Ion Chemistry”

Terrance B. McMahon

University of Waterloo

9:00 - 12:00 PARTY
Sunday, January 14

8:00 – 8:45  BREAKFAST

SESSION IV  Presider: Kent M. Ervin

8:45 – 9:10  “Stereo Differentiation of Radical Ions”, Tangyuan Cao and Thomas H. Morton*, University of California, Riverside, CA.

9:10 – 9:35  “Aggregation of a Crucial Fragment of the Tau Protein: Implications for Alzheimer’s Disease”, Dena Bodzin, Megan Grabenauer, Mink Ando, John Lew, and Michael T. Bowers*, University of California, Santa Barbara, CA.

9:35 - 10:00  “Surface-Induced Dissociation of Noncovalent Protein-Protein Complexes”, Richard L. Beardsley, Christopher M. Jones, Asiri S. Galhena, Shai Dagan, and Vicki H. Wysocki*, University of Arizona, Tucson, AZ.

10:00 – 10:15 BREAK

10:15 – 10:40  “Silver Cation Affinities of Monomeric Building Blocks of Polyethers and Polyphenols Determined by Guided Ion Beam Tandem Mass Spectrometry”, Yu Chen and Mary T. Rodgers*, Wayne State University, Detroit, MI.

10:40 – 11:05  “Structural Comparisons Between the Protein α-Synuclein and Two of its Familial Mutants: A30P and A53T”, Megan Grabenauer, Summer L. Bernstein, Jennifer C. Lee, Nicholas F. Dupuis, Thomas Wyttenbach, Harry B. Gray, Jay R. Winkler, and Michael T. Bowers*, University of California, Santa Barbara, CA.

11:05 - 11:30  “Structural Elucidation and Characterization of Human Milk Oligosaccharides”, M. Nononuevo, LaTasha LaMotte, N. Toe, R. LoCasio, J. B. Berman, B. Mells, S. Freeman, and Carlito B. Lebrilla*, University of California, Davis, CA.

11:30 - 12:00  CHECK OUT

12:00 - 1:00  LUNCH AND DEPART
Lake Arrowhead 2007

List of Participants at the
2007 Conference on Ion Chemistry and Mass Spectrometry
January 12–14, 2007
UCLA, Conference Center Lake Arrowhead, California

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