This workshop will provide a broad perspective on the capabilities of electrospray-based ionization methods, covering both direct and ambient ionization approaches. It will highlight how mechanistic knowledge of the electrospray process can inform the development of new methods, and improve existing applications as diverse as native protein analysis, the study of enzymatic reactions, mass spectrometry imaging and other powerful and evolving ESI-based methodologies. Recent MS studies have questioned entrenched ideas about ionization mechanisms, re-examining ideas about the importance and abundance of opposing charges in analyte charge state distributions, intramolecular salt bridges and the nature of gas phase protein ion structures. Charge manipulation tools now extend practical analytical capabilities while assisting us in probing fundamental questions and testing assertions. The program is intended to interest both beginning and experienced mass spectrometrists.

Workshop program available at www.asms.org/asilomar-conference/program.

CONFIRMED SPEAKERS

Hao Chen (Pfizer, Inc.)
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