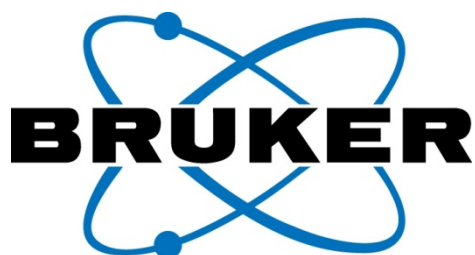


November 6, 2013 (13:15-14:15)



VENDOR SEMINAR:

**BRUKER DALTONICS:
MASS SPECTROMETRIC STRATEGIES FOR THE ACCURATE QUANTITATION
AND SCREENING OF RESIDUES IN FOODS**

Routine Quantitation of Pesticides by GC/MS/MS and LC/MS/MS

Kefei Wang

Bruker Daltonics

With approximately 1,000 pesticides being used globally, the requirement to monitor their correct use in accordance to international guidelines is a challenging task. In this presentation we show how both GC and LC -triple quadrupole mass spectrometry systems have been deployed to achieve rapid, targeted multi-residue quantitative analyses with industry leading sensitivity, reproducibility and ruggedness. Examples of real life analysis and methods development will be discussed.

**The Next Generation of Ultra-High Resolution Q-TOF Platforms for Rapid
Screening of Unknown Contaminants in Food**

Carsten Baessmann

Bruker Daltonics

Targeted, rapid screening of pesticide residues in foods is becoming more commonplace in food testing laboratories and both nominal mass and high resolution, accurate mass LC-MS/MS systems have been successfully deployed for this purpose. In this presentation we describe how state of the art, Ultra High Resolution (UHR) Q-TOF technology and the Bruker PesticideScreener™ solution is used to screen for hundreds of pesticide residues in complex food matrices. The continuous acquisition of both MS and All Ion-CID spectral data throughout the entire chromatographic process coupled with intelligent data processing tools ensures the effective reduction of false positives and negatives.