



The power of High Resolution Mass Spectrometry

The “Leatherman” in Analytics



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Four great ideas on what HRMS can do

for food authentication:

- O. Chevallier: Small Molecules Approach
- J. Brockmeyer: Proteomics Approach

to make our food safer:

- G. P. Luciani: Dioxins & PCBs
- J. Won: Pesticides





Using High-Resolution Mass Spectrometry to Detect and Investigate the Fraudulent Adulteration of Oregano



Olivier Chevallier
**Institute for Global Food Security
Belfast, Northern Ireland**



Exact Masses for Authentic Food
What Can Proteomics Do for Food Authenticity?



Jens Brockmeyer
Head of Department Food Chemistry
Institute of Biochemistry and Technical Biochemistry
University of Stuttgart
Stuttgart, Germany



Dioxin and PCBs Analysis in Food and Feed using GC-HRMS according to the most stringent European Regulations



Gian Piero Luciani
Tentamus Agriparadigma
Ravenna, Italy



A Multilaboratory Study Utilizing nDATA (non-target Data Acquisition for Target Analysis) Workflow for Multiresidue Pesticide Screening by Ultra-High Performance Liquid Chromatography-High Resolution Mass Spectrometry with a Compound Database



Jon Wong
**U.S. Food & Drug Administration
Office of Regulatory Science
College Park, MD**



Thank You & Stay Healthy



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