

Mycotoxin Summer Academy - Module I

	Mon. 1.7.2013	Tue. 2.7.2013	Wed. 3.7.2013	Thu. 4.7.2013	Fri. 5.7.2013
09:00	Welcome & Introduction				
09:30	Rudolf Krška: Introduction to the Mycotoxin Issue	Franz Berthiller: Introduction to Chromatography	Sabine Baumgartner: Introduction to Immunoanalytical Techniques	Joseph Strauss: Genetics and Epigenetics of Toxigenic Molds	Mycotoxin Summer Talks
10:30	coffee break	coffee break	coffee break	coffee break	coffee break
11:00	Marc Lemmens: Toxicity of Mycotoxins	Lab course: Analysis of Cereals by HPLC-UV/FLD	Lab course: ELISAs and Lateral Flow Devices for Rapid Mycotoxin Detection	Markus Gorfer: Relevance and Detection of Indoor Molds	Mycotoxin Summer Talks
12:00	Gerd Schatzmayr: Economic Impact of Mycotoxins on the Food and Feed Industry			Lab course: Indoor Molds & Bioaerosols	
13:00	lunch	lunch	lunch	lunch	lunch
14:00	Rudolf Krška: State-of-the-Art in Mycotoxin Determination	Franz Berthiller: Introduction to Mass Spectrometry	Marc Lemmens: Taxonomy of Toxigenic Fungi	Kurt Brunner: Introduction to PCR Techniques	Discussion & Closure
15:30	coffee break	coffee break	coffee break	coffee break	
16:00	Lab course: Sample Preparation (Extraction & Clean-Up Techniques for Mycotoxins)	Lab course: LC-MS/MS Multitoxin Analysis	Lab course: Taxonomy of Toxigenic Fungi, Visit of Greenhouse	Lab course: PCR Analysis of Fungal DNA	
18:00	Welcome Party with Sampling Workshop			Academy/Conference Dinner	

Mycotoxin Summer Academy - Module II

	Mon. 8.7.2013	Tue. 9.7.2013	Wed. 10.7.2013	Thu. 11.7.2013	Fri. 12.7.2013
09:00	Welcome & Introduction				
09:30	Franz Berthiller: Introduction to Liquid Chromatography	Franz Berthiller: Matrix Effects in LC-MS and Possible Compensation Strategies	Rudolf Krška: Significance of natural toxins - New insights provided by LC-MS/(MS)	Workshop: ISO/IEC 17025 Requirements for the Competence of Testing Laboratories	LAB1: LC-HR-MS Screening LAB2: Biomarkers of Mycotoxin Exposure LAB3: Multi-Mycotoxin Analysis
10:30	coffee break	coffee break	coffee break	coffee break	coffee break
11:00	Franz Berthiller: Introduction to Mass Spectrometry, LC-MS Interfaces and type of mass spectrometers	Wolfgang Kandler: A brief Introduction to Analytical Quality Assurance including Intercomparison Studies	Rudolf Krška: Development and Use of Mycotoxin Reference Materials	Workshop: Practical Aspects of LC-MS Acquisition, Maintenance & Daily Use	LAB1: LC-HR-MS Screening LAB2: Biomarkers of Mycotoxin Exposure LAB3: Multi-Mycotoxin Analysis
12:00			Workshop: Practical Aspects of Proper LC-MS Method Validation		
13:00	lunch	lunch	lunch	lunch	lunch
14:00	Lab course: Introduction to LC-QqQ-MS/MS for Mycotoxin Determination in Cereals	Lab course: Stable Isotope Dilution - LC-MS/MS for Accurate Quantification	LAB1: LC-HR-MS Screening & Identification for Unknowns LAB2: Determination of Biomarkers of Mycotoxin Exposure in Urine LAB3: Multi-Mycotoxin Analysis of 200+ Mycotoxins in Food		Discussion & Closure
15:30	coffee break	coffee break	coffee break	coffee break	
16:00	Lab course: Introduction to LC-QqQ-MS/MS for Mycotoxin Determination in Cereals	Lab course: Stable Isotope Dilution - LC-MS/MS for Accurate Quantification	LAB1: LC-HR-MS Screening & Identification for Unknowns LAB2: Determination of Biomarkers of Mycotoxin Exposure in Urine LAB3: Multi-Mycotoxin Analysis of 200+ Mycotoxins in Food		
18:00				Academy Dinner	