

Mycotoxin Summer Academy 2014 - Module I

	Mon. 30.6.2014	Tue. 1.7.2014	Wed. 2.7.2014	Thu. 3.7.2014	Fri. 4.7.2014
09:00	Welcome & Introduction	Franz Berthiller: Introduction to Chromatography	Marc Lemmens, Roman Labuda: Taxonomy of Toxigenic Fungi	Kurt Brunner: Introduction to PCR Techniques	Mycotoxin Summer Talks
09:30	Rudolf Krska: Introduction to the Mycotoxin Issue				
10:30	coffee break	coffee break	coffee break	coffee break	coffee break
11:00	Marc Lemmens: Toxicity of Mycotoxins	Franz Berthiller: Introduction to Mass Spectrometry	Kathrin Lauter, Antonia Tacconi: Introduction to Immunoanalytical Techniques	Hermann Bürstmayr: Molecular Plant Breeding	Mycotoxin Summer Talks
12:00	Gerd Schatzmayr: Economic Impact of Mycotoxins on the Food and Feed Industry				
13:00	lunch	lunch	lunch	lunch	lunch
14:00	Rudolf Krska: State-of-the-Art in Mycotoxin Determination	Lab course: Analysis of Cereals by HPLC-UV/FLD	Lab course: ELISAs and Lateral Flow Devices for Rapid Mycotoxin Detection	Lab course: PCR Analysis of Fungal DNA	Mycotoxin Summer Talks
15:30	coffee break	coffee break	coffee break	coffee break	coffee break
16:00	Lab course: Sampling and Sample Preparation	Lab course: LC-MS/MS Multitoxin Analysis	Lab course: Taxonomy of Toxigenic Fungi	Visit of Cereal Fields	Discussion & Closure
18:00	Romer Labs Welcome Party			Academy/Conference Dinner	

Mycotoxin Summer Academy 2014 - Module II

	Mon. 7.7.2014	Tue. 8.7.2014	Wed. 9.7.2014	Thu. 10.7.2014	Fri. 11.7.2014
09:00	Welcome & Introduction	Elisabeth Varga: Matrix Effects in LC-MS and Possible Compensation Strategies	Franz Berthiller: Significance of natural toxins - New insights provided by LC-MS/(MS)	Workshop: Practical Aspects of Proper LC-MS Method Validation	GrA: Biomarkers of Mycotoxin Exposure GrB: LC-HR-MS Screening
09:30	Franz Berthiller: Introduction to Liquid Chromatography				
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	Rainer Schuhmacher: A brief Introduction to Analytical Quality Assurance including Intercomparison Studies	Elisabeth Varga: Development and Use of Mycotoxin Reference Materials	Workshop: Practical Aspects of LC-MS Acquisition, Maintenance & Daily Use	GrA: Biomarkers of Mycotoxin Exposure GrB: LC-HR-MS Screening
12:00			Workshop: ISO/IEC 17025 Requirements for the Competence of Testing Labs		
13:00	lunch	lunch	lunch	lunch	lunch
14:00	Lab course: Introduction to LC-QqQ-MS/MS for Mycotoxin Determination in Cereals	Lab course: Reduction and Compensation of Matrix Effects	GrA: Multi-Mycotoxin Analysis GrB: Biomarkers of Mycotoxin Exposure	GrA: LC-HR-MS Screening GrB: Multi-Mycotoxin Analysis	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: Reduction and Compensation of Matrix Effects	GrA: Multi-Mycotoxin Analysis GrB: Biomarkers of Mycotoxin Exposure	GrA: LC-HR-MS Screening GrB: Multi-Mycotoxin Analysis	
18:00				Academy Dinner	