

### Mycotoxin Summer Academy 2016 - Module I

	Mon. 4.7.2016	Tue. 5.7.2016	Wed. 6.7.2016	Thu. 7.7.2016	Fri. 8.7.2016
08:30	Welcome & Introduction				Welcome & Introduction
09:00	Rudolf Krska: Introduction to the Mycotoxin Issue	Franz Berthiller: Introduction to Chromatography	Roman Labuda: Taxonomy of Toxigenic Fungi	Georg Reischer: Introduction to PCR Techniques	Mycotoxin Summer Talks
09:30					
10:00	coffee break				coffee break
10:30	Marc Lemmens: Toxicity of Mycotoxins				coffee break
11:00	Gerd Schatzmayr: Economic Impact of Mycotoxins on the Food and Feed Industry	Franz Berthiller: Introduction to Mass Spectrometry	Hermann Bürstmayr: Molecular Plant Breeding	Sabine Baumgartner: Introduction to Immunoanalytical Techniques	Mycotoxin Summer Talks
11:30					
12:00					lunch
12:30					
13:00	lunch	lunch	lunch	lunch	Mycotoxin Summer Talks
13:30					coffee break
14:00	Rudolf Krska: State-of-the-Art in Mycotoxin Determination	Lab course: Analysis of Cereals by HPLC-UV/FLD	Lab course: Taxonomy of Toxigenic Fungi	Lab course: PCR Analysis of Fungal DNA	Mycotoxin Summer Talks
14:30					
15:00	coffee break	coffee break		coffee break	
15:30			coffee break		transfer to IFA
16:00	Lab course: Sample Preparation (Extraction & Clean-Up Techniques for Mycotoxins)	Lab course: LC-MS/MS Multitoxin Analysis	Visit of cereal fields	Lab course: ELISAs and Lateral Flow Devices for Rapid Mycotoxin Detection	Discussion & Closure
16:30					
17:00					
17:30	Sampling Workshop and Welcome Reception				
18:00				Academy/Conference Dinner	
18:30					

### Mycotoxin Summer Academy 2016 - Module II

	Mon. 11.7.2016	Tue. 12.7.2016	Wed. 13.7.2016	Thu. 14.7.2016	Fri. 15.7.2016
09:00	Welcome & Introduction				GrA: Multi-Mycotoxin Analysis GrB: Biomarkers of Mycotoxin Exposure GrC: LC-HR-MS Screening
09:30	Franz Berthiller: Introduction to Liquid Chromatography	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	
10:00					
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	Elisabeth Varga: Development and Use of Mycotoxin Reference Materials	Workshop: Practical Aspects of LC-MS Acquisition, Maintenance & Daily Use	GrA: Multi-Mycotoxin Analysis GrB: Biomarkers of Mycotoxin Exposure GrC: LC-HR-MS Screening
12:00			Irene Hahn: ISO/IEC 17025 Requirements 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 GrC: LC-HR-MS Screening	GrA: Multi-Mycotoxin Analysis GrB: Biomarkers of Mycotoxin Exposure GrC: LC-HR-MS Screening	Discussion & Closure
15:00					
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 GrC: LC-HR-MS Screening	GrA: Multi-Mycotoxin Analysis GrB: Biomarkers of Mycotoxin Exposure GrC: LC-HR-MS Screening	
18:00				Academy Dinner	