

### Mycotoxin Summer Academy 2017 - Module I

	Mon. 3.7.2017	Tue. 4.7.2017	Wed. 5.7.2017	Thu. 6.7.2017	Fri. 7.7.2017
08:30	Welcome & Introduction				
09:00	Franz Berthiller: Introduction to the Mycotoxin Issue	Angel Medina Vaya: Fungal Ecophysiology	Roman Labuda: Taxonomy of Toxigenic Fungi	Georg Reischer: Introduction to PCR Techniques	Mycotoxin Summer Talks
09:30					
10:00	coffee break	coffee break	coffee break	coffee break	coffee break
10:30					
11:00	Gerd Schatzmayr: Economic impact of mycotoxins on Food and Feed Industry and mitigation strategies	Franz Berthiller: Introduction to Chromatography and Mass Spectrometry	Hermann Bürstmayr: Molecular Plant Breeding	Doris Marko: Toxicity of Mycotoxins	Mycotoxin Summer Talks
11:30					
12:00					lunch
12:30					
13:00	lunch	lunch	lunch	lunch	Mycotoxin Summer Talks
13:30					
14:00	Franz Berthiller: State-of-the-Art in Mycotoxin Determination	Lab course: Analysis of Cereals with various techniques	Lab course: Taxonomy of Toxigenic Fungi	Lab course: PCR Analysis of Fungal DNA	coffee break
14:30					
15:00	coffee break				Mycotoxin Summer Talks
15:30					
16:00	Lab course: Sample Preparation (Extraction & Clean-Up Techniques for Mycotoxins)	coffee break	coffee break	coffee break	Discussion & Closure
16:30		Lab course: LC-MS/MS Multitoxin Analysis	Visit of cereal fields	Visit of the BIOMIN Research Center: Novel strategies to detoxify mycotoxins	
17:00					
17:30	Sampling Workshop and Welcome Reception @ Romer Labs				
18:00					
18:30				Academy/Conference Dinner	

### Mycotoxin Summer Academy 2017 - Module II

	Mon. 10.7.2017	Tue. 11.7.2017	Wed. 12.7.2017	Thu. 13.7.2017	Fri. 14.7.2017
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					
11:30	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	Irene Hahn: 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	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	