



Ensuring the Integrity of the European food chain

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**FoodIntegrity Training Week:
TRAINING SCHOOL
on assuring the integrity in the food chain**

PROGRAM

3-5 September 2018

Prague, Czech Republic

Organized by

Department of Food Analysis and Nutrition

University of Chemistry and Technology, Prague, Czech Republic



**UNIVERSITY OF
CHEMISTRY AND TECHNOLOGY
PRAGUE**

Monday, September 3, 2018

9:00-9:30	Registration for the course
9:30-9:40	Welcome Jana Hajslova, University of Chemistry and Technology, Prague, Czech Republic
9:40-10:00	Introduction to the FoodIntegrity Jana Hajslova, University of Chemistry and Technology, Prague, Czech Republic
	Topic: QA/QC
10:00-11:00	Introduction to QA/QC and ISO 17025 accreditation in testing laboratories Vladimir Kocourek, University of Chemistry and Technology, Prague, Czech Republic
11:00-11:30	Coffee break
11:30-12:30	Analytical validation of mass spectrometry based methods according to EU requirements Jana Hajslova, University of Chemistry and Technology, Prague, Czech Republic
12:30-13:30	Lunch
13:30-16:00	Collaborative (Interlaboratory) Method Validation Studies Katerina Mastovska, Eurofins Food Integrity and Innovation, USA
16:00-16:30	Coffee break
16:30-17:15	Validation and reporting of non-targeted analytical approaches for food authentication Julia Raeke, Federal Institute for risk assessment (BfR), Germany
From 19:30	Course Networking event

Tuesday, September 4, 2018

	Topic: Application of various analytical approaches for the food integrity assessment
9:00-9:45	Application on NMR for food authentication Julia Raeke, Federal Institute for risk assessment (BfR), Germany
9:45-10:30	Application of IRMS for food authentication Luana Bontempo, Edmund Mach Foundation, Italy
10:30-11:00	Coffee break
11:00-11:45	Mass Spectrometry: An essential technique for Food Integrity Olivier Chevallier, Queens University Belfast, UK
	Case studies:
11:45-12:30	HRMS based metabolomic fingerprinting as an effective tool for berries authentication Kamila Hurkova, Josep Rubert, Milena Stranska, Vladimir Kocourek, Jana Hajslova University of Chemistry and Technology, Prague, Czech Republic Utilization of high resolution tandem mass spectrometry for determination of 59 analogues of PDE5 inhibitors in food supplements Monika Jiru, Milena Stranska-Zachariasova, Zbynek Dzuman, Kamila Hurkova, Radim Stepan, Petr Cuhra, Jana Hajslova University of Chemistry and Technology, Prague, Czech Republic Czech agriculture and food inspection authority, Prague, Czech Republic

	<p>Detection of undeclared foreign proteins in meat by means of REIMS Vit Kosek, Leos Uttl, Monika Jiru, Connor Black, Olivier Chevallier, Chris Elliot, Jana Hajslova University of Chemistry and Technology, Prague, Czech Republic Queens University Belfast, UK</p>
12:30-13:30	Lunch
13:30-15:00	<p>Application of molecular biology methods (PCR) to distinguish different types of meat Kamila Zdenkova, Simona Lencova, Katerina Demnerova University of Chemistry and Technology, Prague, Czech Republic</p> <p>Identification of canned tuna by real-time PCR method Pavel Krcmar Veterinary Research Institute, Brno, Czech Republic</p> <p>DNA analysis as a basic tool for detection and quantification of adulteration in cereal products J. Ovesna, L. Kucera, E. Fialova, P. Svoboda Crop Research Institute, Prague, Czech Republic</p>
15:00-15:30	Coffee break
	Topic: Data analysis
15:30-17:00	<p>Tools for data processing and analyte identification in mass spectrometry based non-targeted analysis Lukas Vaclavik, Eurofins Food Integrity and Innovation, UK</p>
Wednesday, September 5, 2018	
	Topic: Transparency along the food chain
9:00 – 10:30	<p>Improving supply chain integrity through data sharing as fraud prevention method Gerald Hermann, Organic Services, Germany</p>
10:30-11:00	Coffee break
11:00-12:00	<p>Improving supply chain integrity through data sharing as fraud prevention method (cont.) Gerald Hermann, Organic Services, Germany</p>
12:00-13:00	Lunch
	Topic: End-user tools
13:00-14:00	<p>Food fraud vulnerability assessment tool Saskia van Ruth, Wageningen University, Netherlands</p>
14:00-15:30	<p>Final interactive exercise: Step by step strategies for fast development of smart analytical methods Milena Stranska, University of Chemistry and Technology, Prague, Czech Republic</p>
15:30-16:00	<p>Course evaluation Course certificates</p>

Location:

University of Chemistry and Technology, Prague, Technicka 3, 166 28, Prague 6, Czech Republic, Room B32 (3rd floor)