Wednesday - November 3, 2021
Chairs: Jana Hajslova (UCT Prague) & Michel Nielen (WFSR)

9:00-13:00	**Series of vendor webinars I**		
	Agilent Technologies	Restek	
	Axel Semrau GmbH & Co.KG	SCIEX	
	LECO	SepSolve Analytical Ltd	
	PerkinElmer	Shimadzu Europa GmbH	
	Phenomenex, Inc. - Torrance, CA	Thermo Fisher Scientific	
13:45-14:00	**Welcome at RAFA 2021**		Jana Hajslova & Michel Nielen, RAFA chairs
Session 1	**Analytical challenges I**		
14:00-14:20	L1	**Fighting food frauds exploiting chromatography-mass spectrometry & infrared technologies: scientific literature vs real industrial approaches**	**Michele Suman** Barilla G. R. F.lli SpA, Advanced Laboratory Research, Parma, Italy
14:20-14:40	L2	**How can we measure and tackle the world wide occurrence of mycotoxins in view of climate change?**	**Rudolf Krska** University of Natural Resources and Life Sciences, Vienna, IFA-Tulln, Austria
14:40-15:00	L3	**Potential of imaging mass spectrometry in characterisation of food crops**	**Chiara Dall´Asta** University of Parma, Parma, Italy
15:00-15:20	L4	**Dimensional Chromatography with Quadruple Parallel Mass Spectrometry, LC3MS4, for Infant/Adult Formula Analysis**	**Craig Byrdwell** U.S. Dept. of Agriculture, Agricultural Research Service, Beltsville Human Nutrition Research Center, USA
15:20-15:30	L5	**Towards decentralized food safety: a FoodSmartphone perspective**	**Georgina Ross** Wageningen University & Research, Wageningen, The Netherlands
15:30-15:40	*Chat discussion with speakers L1-L5*		Led by Jana Hajslova & Michel Nielen
15:40-16:00	*Refreshment break*		
Session 2	**Metabolomics**		
16:00-16:20	L6	**Metabolomics and lipidomics approaches to advance food Science and nutrition research**	**Alejandro Cifuentes** National Research Council of Spain, Madrid, Spain
16:20-16:40	L7	**Deciphering the gut microbiota function by LC/GC-MS metabolomics approaches**	**Josep Rubert** Wageningen University & Research, Wageningen, The Netherlands
16:40-17:00	L8	**Confidence in metabolite annotations from high-resolution MS/MS in food digestion along the human GI tract**	**Oliver Fiehn** UC Davis West Coast Metabolomics Center, Davis, USA
17:00-17:20	L9	**One class modelling, a simple approach to botanical authentication**	**James Harnly** U.S. Dept. of Agriculture, Agricultural Research Service, Beltsville Human Nutrition Research Center, USA
17:20-17:40	*Chat discussion with speakers L6-L9*		Led by Jana Hajslova & Michel Nielen
17:40-18:30	*Opportunities for networking*		

Thursday - November 4, 2021			
Chairs: Jana Pulkrabova (UCT Prague) & Stefan van Leeuwen (WFSR)			
Session 3	**Food fraud & authentication**		
09:00-09:20	L10	**From targeted to non-targeted analysis for food authentication: challenges of change**	**Carsten Fauhl-Hassek** Federal Institute for Risk Assessment, Berlin, Germany
09:20-9:40	L11	**Diving into the beer metabolome and discover signatures of materials, technologies and reactions**	**Michael Rychlik** Technical University of Munich, Freising, Germany
09:40-10:00	L12	**Alternative proteins for conventional animal products in China: regulatory process**	**Yongning Wu** China National Center for Food Safety Risk Assessment, Beijing, China
10:00-10:10	L13	**Wine varietal identification: solution of an uneasy task**	**Leos Uttl** University of Chemistry and Technology Prague, Prague, Czech Republic
10:10-10:20	L14	**The story of a leaf: a 2-tiered system for tea authenticity**	**Di Wu** Queen's University Belfast, Belfast, United Kingdom
10:20-10:40	L15	**Food authenticity from a regulatory science perspective**	**Franz Ulberth** European Commission, Joint Research Centre, Geel, Belgium
10:40-11:00	*Chat discussion with speakers L10-L15*		Led by Jana Pulkrabova & Stefan van Leeuwen
11:00-11:20	*Refreshment break*		
Session 4	**Analytical challenges II**		
11:20-11:40	L16	**Comparison of analytical methods and results: "Devil is in the details"**	**Katerina Mastovska** Eurofins Scientific, USA
11:40-12:00	L17	**Scientific and regulatory challenges and developments for EU Reference Laboratories in food safety areas**	**Piotr Robouch** European Commission, Joint Research Centre, Geel, Belgium
12:00-12:20	L18	**Transition to a circular economy: analytical challenges for contaminants in the food chain**	**Stefan van Leeuwen** Wageningen Food Safety Research (WFSR), part of Wageningen University & Research, The Netherlands
12:20-12:30	L19	**Smartphone-based pesticide residue screening: goals achieved & challenges to be faced**	**Aristeidis Tsagkaris** University of Chemistry and Technology Prague, Prague, Czech Republic
12:30-12:50	L20	**Determining the source of our soya using an analytical toolbox**	**Christopher Elliott** Queen's University Belfast, Belfast, United Kingdom
12:50-13:10	*Chat discussion with speakers L16-L20*		Led by Jana Pulkrabova & Stefan van Leeuwen
13:10-13:20	**Summary of RAFA 2021, Trends & Views**		**Michele Suman** Barilla Food Research Labs, Parma, Italy
13:20-13:30	**Announcement of RAFA 2022**		Jana Hajslova & Michel Nielen, RAFA chairs
13:30-18:30	**Series of vendor webinars II**		
	Agilent Technologies Bruker Daltonics Büchi Labortechnik AG Milestone Helping Chemists Phenomenex, Inc. - Torrance, CA	R-Biopharm AG Restek Syft Technologies GmbH Thermo Fisher Scientific Waters Corporation	