

## Monday 20 November

Date	Time	Title	Room
Mon 20 Nov	13:00-17:00	AOAC Workshop: Best Practices for Bioassay Testing of Food and other Complex Mixtures	Calla 1
	12:00-18:00	Registration	Lobby
	12:00-18:00	Poster setup	Exhibition room
	17:30-19:00	Welcoming drinks	Exhibition room

## Tuesday 21 November

Date	Time	Session	Title	Presenter	Organisation	Room
	8:00-9:15	<b>Registration &amp; poster setup</b>				Registration desk
	8:45-9:00	<b>Opening Ceremony</b>				Plenary
		<b>Keynotes (Chairs: Marja Lamoree &amp; Hans Mol)</b>				Plenary
	9:00-9:30		The present and future use of monitoring data in EFSA's human health risk assessment of chemicals	Bruno Dujardin	EFSA	Plenary
	9:30-10:00		From target to non-target screening of chemical mixtures in water - in situ, frequently, hazard-based, retrospectively	Juliane Hollender	Eawag	Plenary
	10:00-10:15	Keynote Q&A				Plenary
	10:15-11:00	<b>Exhibition, Posters &amp; Coffee</b>				Exhibition room
		<b>Plenary session - Suspect and non-target screening (Chairs: Nestor Etxebarria &amp; Martin Hansen)</b>				Plenary
	11:00-11:20		Long-term targeted and non-targeted monitoring of drinkable water treatment plants in Biscay (Basque Country)	Nestor Etxebarria	University of the Basque country (UPV/EHU)	Plenary
	11:20-11:40		Structural alerts for prioritization of potentially toxic substances in non-target screening	Nienke Meekel	KWR/Vrije Universiteit Amsterdam	Plenary
	11:40-12:00		Two-stage LC/HRMS workflow for identification of effect drivers in passive sampler extracts after their selective recovery by pull-down assay.	Roman Grabic	University of South Bohemia	Plenary
	12:00-12:20		Determination of real-life environmental and food chemical mixtures in water, fish and milk samples using suspect screening coupled to iterative data-dependent analysis	Solene Motteau	Oniris	Plenary
	12:20-12:40		Identification of emerging organic contaminants in greywater emitted from ships by a comprehensive LC-HRMS target and suspect screening approach	Meritxell Gros	Catalan Institute for Water Research	Plenary
	12:40-13:30	<b>Lunch in restaurant</b>				Restaurant
		<b>Plenary session - Suspect and non-target screening (Chairs: Lubertus Bijlsma &amp; Frederic Béen)</b>				Plenary
	13:30-13:50		Trend analysis of non-target screening features in surface water for safe drinking water production	Geert Franken	Het Waterlaboratorium	Plenary
	13:50-14:10		Decoding the human exposome: monitorization of chemicals of emerging concern and their phase II metabolites in urine by target, suspect and non-target screening	Mikel Musatadi	University of the Basque country (UPV/EHU)	Plenary
	14:10-14:30		Using LCMS Analysis and Suspect and Non-target Screening to Assess the Efficiency of Hybrid Electrodialysis-Forward Osmosis (ED-FO) in Water Reuse	Manuel Garcia-Jaramillo	Oregon State University	Plenary
	14:30-14:50		Data science enhanced non-targeted analysis for characterization of exposome: move beyond structural elucidation	Saer Samanipour	University of Amsterdam	Plenary
	14:50-15:30	<b>Exhibition, Posters &amp; Coffee</b>				Exhibition room
		<b>Parallel session - Food fraud &amp; authenticity (Chairs: Hans Mol &amp; Laura Righetti)</b>				Calla 1
	15:30-15:50		Ultra-rapid, reliable, non-targeted authentication of monofloral honey by dielectric barrier discharge ionization high resolution mass spectrometry (DBDI-HRMS)	Alessandra Tata	Istituto zooprofilattico sperimentale delle Venezie	Calla 1
	15:50-16:10		Food Authentication: Mass Spectrometric Strategies for Detecting Food Fraud	Marina Creydt	University of Hamburg	Calla 1
	16:10-16:30		Stable Isotope Ratio Analysis for the Authentication of Organic Wheat and Evaluation of Mycotoxin Contents and Residue Levels: From Milling to Pasta and Bakery Products	Zoe Giannioti	Fondazione Edmund Mach	Calla 1
	16:30-16:50		Spatial and temporal biodiversity of grape varieties from the Portuguese Bairrada Appellation: in the path of varietal patterns	Sílvia Rocha	Universidade de Aveiro	Calla 1
		<b>Parallel session - Toxic chemicals, metabolites and transformation products (1) (Chairs: Tito Quintana &amp; Marja Lamoree)</b>				Calla 2
	15:30-15:45		Estimation of antibiotics usage and resistance genes prevalence using Wastewater-Based Epidemiology as surveillance tool	Lubertus Bijlsma	University Jaume I	Calla 2
	15:45-16:00		Wastewater-based epidemiology: a comprehensive public health surveillance tool	Nicola Ceolotto	University of Bath	Calla 2
	16:00-16:15		Evaluation of antibiotic levels in a real water reuse system for agricultural irrigation	Patricia Plaza-Bolaños	University of Almeria	Calla 2
	16:15-16:30		Investigation of pesticides and pharmaceuticals in small water bodies using polar organic chemical integrative samplers (POCIS) and non-target screening	Ivo Havranek	Norwegian Institute for Bioeconomy Research	Calla 2
	16:30-16:45		Tracking organic pollutants and identifying sources in urban groundwaters	Sandra Pérez	IDAEA-CSIC	Calla 2
	16:45-17:00		Sample preparation investigation to extract plastic additives in agricultural soil using UHPLC-MS/MS	Aristeidis Tsagkaris	UCT Prague	Calla 2
	17:00-17:30	<b>Break</b>				Exhibition room

Tue 21 Nov

17:30-18:15	Keynote - Partnership for the Assessment of Risks from Chemicals (PARC) (Chair: Marja Lamoree)	Jean-Philippe Antignac	INRAE	Plenary

### Wednesday 22 November

Date	Time	Session	Title	Presenter	Organisation	Room	
		<b>Keynotes (Chairs: Frederic Béen &amp; Laura Righetti)</b>					Plenary
	9:00-9:30	Chemical cocktails threaten the environment and human health: it's all in the mix!"		Beate Escher	UFZ	Plenary	
	9:30-10:00	Advances in microplastic exposure, fate, effects and risks		Bart Koelmans	Wageningen University and Research	Plenary	
	10:00-10:15	Keynote Q&A				Plenary	
	10:15-11:00	<b>Exhibition, Posters &amp; Coffee</b>					Exhibition room
		<b>Plenary session - Risk assessment and modelling (Chairs: Montserra Filella &amp; Frederic Béen)</b>					Plenary
	11:00-11:15	PERK: A Cutting-Edge R-Based Tool for Enhanced Environmental Risk Assessment of Active Pharmaceutical Ingredients in Wastewater		Kishore Kumar Jagadeesan	University of Bath	Plenary	
	11:15-11:30	Elimination resistant: Modelling multi-compartment toxicokinetics of thiacloprid in Gammarus pulex using monitoring data, bioconcentration and receptor binding assays		Johannes Raths	Eawag	Plenary	
	11:30-11:45	Prediction of Acute Fish Toxicity using Molecular Fingerprints and Machine Learning		Viktoriiia Turkina	University of Amsterdam	Plenary	
	11:45-12:00	Agglomeration behaviour and fate of food-grade titanium dioxide in human gastrointestinal digestion and in the lysosomal environment		Francesca Ferraris	Italian National Institute of health	Plenary	
	12:00-12:15	In-vitro digestion approach for assessing the bioaccessibility of pharmaceuticals in seafood		Lúcia Santos	Catalan Institute for Water Research (ICRA)	Plenary	
	12:15-12:30	Urine concentrations of Arsenic and its species in adolescents from Wallonia (Belgium).		Heidi Demaegdt	Sciensano	Plenary	
	12:30-13:30	<b>Lunch in restaurant</b>					Restaurant
	13:30-14:00	Vendor session	Advances in MS technology for food analysis: SCIEX 7500 for PFAS; introduction to ZenoTOF 7600	Jianru Stahl-Zeng, Daniel McMillan	Sciex	Calla 2	
	14:00-14:30	<b>Exhibition &amp; Posters</b>					Exhibition room
	14:30-15:00	Vendor session	Recent Developments of the $\mu$ SPE Clean-up Workflow in Pesticides Analysis	Thomas Preiswerk	CTC Analytics	Calla 2	
	15:00-15:30	<b>Exhibition, Posters &amp; Coffee</b>					Exhibition room
		<b>Parallel session - Environmental contaminants &amp; residues in food (Chairs: Amadeo Fernández-Alba &amp; Hans Mol)</b>					Calla 1
	15:30-15:45	Fate of PFAS from soil to crop: understanding uptake and how emissions from a PFAS factory in The Netherlands impact levels in fruits and vegetables		Stefan Van Leeuwen	Wageningen University and Research	Calla 1	
	15:45-16:00	Combined action of ion mobility (IM-MS) and high-resolution mass spectrometry (HRMS) to characterize known and unknown per- and polyfluoroalkylated substances (PFAS) in foodstuffs		Macorps, Nicolas	Oniris, INRAE, LABERCA	Calla 1	
	16:00-16:15	A strategy to evaluate food safety in circular food production systems		Milou G.M. van de Schans	Wageningen University and Research	Calla 1	
	16:15-16:30	Occurrence of high-volume production chemicals in highly consumed seafood species and evaluation of dietary intake and risk characterization		Silvia Borrull	Universitat Rovira i Virgili	Calla 1	
	16:30-16:45	Polychlorinated alkanes (PCAs): Investigating levels in food from the Dutch market		Waut Bergkamp	Wageningen University and Research	Calla 1	
	16:45-17:00	Food analysis: towards greener and whiter analytical methods for the determination of inorganic contaminants		Mariela Pistón	Faculty of Chemistry, Universidad de la República	Calla 1	
	17:00-17:15	Pyrrolizidine alkaloids: Plant defence metabolites of serious health concern. An update on recent developments.		Patrick Mulder	Wageningen University and Research	Calla 1	
		<b>Parallel session - Micro/nano plastics analysis (Chairs: Marja Lamoree &amp; Maria Margalef)</b>					Calla 2
	15:30-15:45	Chemometrics for improved identification and quantification of polymers in blood using Pyrolysis-GC-MS		Wilco Nijenhuis	Vrije Universiteit Amsterdam	Calla 2	
	15:45-16:00	Analysis of Micro- And Nanoplastic in Human Blood		Marthinus Brits	Vrije Universiteit Amsterdam	Calla 2	
	16:00-16:15	Towards simultaneous size determination and polymer identification of nanoplastics		Maria Hayder	University of Amsterdam	Calla 2	
	16:15-16:30	Towards FAIR data in the field of environmental research on microplastics		Montserrat Filella	University pf Geneva	Calla 2	
	16:30-16:45	Microplastics in urban freshwaters: a case study in the city of Amsterdam		Feride Öykü Sefiloglu	Vrije Universiteit Amsterdam	Calla 2	
	17:15-18:00	<b>Exhibition &amp; posters</b>					Exhibition room

Wed 22 Nov

18:00-19:00

General assembly IAEAC [members only]

Calla 1

## Thursday 23 November

Date	Time	Session	Title	Presenter	Organisation	Room
		<b>Keynotes (Chairs: Marja Lamoree &amp; Laura Righetti)</b>				
	9:00-9:30	Advancing Green and Sustainable Analytical Chemistry for Environmental and Food Analysis		Turner, Charlotta	Lund University	Plenary
	9:30-10:00	Strategies for characterizing the consumer's chemical exposome		Gaud Dervilly	Oniris, INRAE, LABERCA, Oniris/INRAE	Plenary
	10:00-10:15	Keynote Q&A				Plenary
	10:15-11:00	<b>Exhibition, Posters &amp; Coffee</b>				Exhibition room
		<b>Plenary session - Effect directed analysis and in vitro assays for mixture assessment (Chairs: Sam Nugen &amp; Frederic Béen)</b>				
	11:00-11:15	Effect-directed analysis in the environment-food-human continuum to identify chemicals with Transthyretin binding properties		Maria Margalef Jornet	Vrije Universiteit Amsterdam	Plenary
	11:15-11:30	Pull-down approach for the identification of endocrine-disrupting compounds in complex mixtures		Klara Hilscherova	Masaryk University	Plenary
	11:30-11:45	The contribution of PFAS to thyroid hormone-displacing activity in Dutch waters: A comparison between two in vitro bioassays with chemical analysis.		Jaimy de Schepper	Het Waterlaboratorium, NL	Plenary
	11:45-12:00	Optimizing analytical approaches in high-throughput effect-directed analysis (HT-EDA) for improved toxicity driver identification		Iker Alvarez-Mora	Helmholtz Center for Environmental Research (UFZ)	Plenary
	12:00-12:15	Effect-directed analysis for multiple endpoints of bioactive compounds in the (drinking) water cycle		Corine Houtman	Het Waterlaboratorium, NL	Plenary
	12:15-12:30	Novel Effect-Direct Analysis (EDA) approach to assess endocrine activity of food mixtures		Maricel Marin-Kuan	Nestlé Research, Société des Produits Nestlé SA	Plenary
	12:30-13:30	<b>Lunch in restaurant</b>				Restaurant
		<b>Plenary session - Keynote &amp; more (Chairs: Laura Righetti &amp; Maria Margalef)</b>				
	13:30-14:00	Keynote	Endocrine disruptors in freshwater: policy perspectives by the OECD	Marijn Korndewal	OECD	Plenary
	14:00-14:15	Analytics and sampling	Demonstrating the reliability of metabolomics-based chemical grouping: Towards acceptable practice	Pim Leonards	Vrije Universiteit Amsterdam	Plenary
	14:15-14:30	Analytics and sampling	GC×GC for the determination of fatty acids in cow colostrum during the first days of lactation	Veronika Farková	Masaryk University, CZ	Plenary
	14:30-14:45	Analytics and sampling	New sampling technique for determination and identification of microplastics in agricultural compartments and on its products with chemical imaging by FTIR- and Raman microscopy	Jürgen Schram	Niederrhein University of Applied Sciences	Plenary
	14:45-15:30	<b>Exhibition, Posters &amp; Coffee</b>				Exhibition room
		<b>Parallel session - Food contact materials (Chairs: Gaud Dervilly &amp; Hans-Gerd Janssen)</b>				Calla 1
	15:30-15:45	Human dietary exposure to food packaging contaminants through in vitro bioaccessibility studies		Letricia Barbosa-Pereira	University of Santiago de Compostela	Calla 1
	15:45-16:00	Identification of non-intentionally added substances migrating from inner coatings of metallic cans – Toward provisional risk assessment of oligoesters		Ronan Cariou	Oniris, INRAE, LABERCA	Calla 1
	16:00-16:15	Non-target screening of chemicals migrating from reusable sports plastic bottles into drinking water		Selina Tisler	University of Copenhagen	Calla 1
	16:15-16:30	UPLC-IMS-QTOF and SPME-GC-MS to quantify migrant species in vacuum cooking bags.		Carlos Jiménez Estremera	University of Zaragoza	Calla 1
	16:30-16:45	Strategy for Ensuring the Safety of Novel Packaging Materials		Elsa Omer	Nestlé Research, Société des Produits Nestlé SA	Calla 1
	16:45-17:00	Evaluation of new approaches to decontaminate recycled polyolefins destined to come into contact with food products		Margarita Aznar	University of Zaragoza	Calla 1
	17:00-17:15	Combined untargeted screenings of substances migrating from emerging food contact materials		Salvatore Ciano	Sciensano	Calla 1
		<b>Parallel session - Toxic chemicals, metabolites and transformation products (2) (Chairs: Tito Quintana &amp; Maria Margalef)</b>				Calla 2
	15:30-15:45	Unravelling the early exposure to PFAS in children at ages 4 and 8 from INMA Gipuzkoa cohort.		Anne San Roman	IIS Biodonostia	Calla 2
	15:45-16:00	Trace element speciation made easy: introducing Frontal Chromatography ICP-MS		Damiano Monticelli	Università degli Studi dell'Insubria	Calla 2
	16:00-16:15	Thermal processes and secondary recycling regulate the atmospheric levels of highly toxic polychlorinated naphthalenes in an urban Mediterranean site		Minas Iakovides	The Cyprus Institute	Calla 2
	16:15-16:30	Passive sampling of high production volume chemicals and polycyclic aromatic hydrocarbons in outdoor air samples. Application and risk assessment evaluation		Reyes Garcia	Universitat Rovira i Virgili	Calla 2
	16:30-16:45	Development of a novel passive sampler based on membrane assisted solvent extraction and molecularly imprinted polymer for monitoring of selected pharmaceuticals in surface water		Sinegugu Khulu	University of the Witwatersrand	Calla 2

Thu 23 Nov

16:45-17:00	Investigating the sorption capacity of four Nigerian clays for the removal of arsenic, cadmium, chromium, and lead from water.	Augustine Imogben Umarein	University of Strathclyde, Glasgow	Calla 2
17:00-17:15	Determination of haloacetic acids in reclaimed water and drinking water by direct injection and hydrophilic interaction chromatography coupled with mass spectrometry	Eva Hernández Jambrina	Joint Centre University of Almería-CIEMAT	Calla 2
17:15-18:00	<b>Exhibition &amp; posters</b>			Exhibition room
18:30-21:30	<b>Conference dinner</b>			

**Friday 24 November**

Date	Time	Session	Title	Presenter	Organisation	Room	
Fri 24 Nov		<b>Keynotes (Chairs: Maria Margalef &amp; Hans Mol)</b>					
	8:45-9:15	Advances on the identification, monitoring, and prioritization of persistent, mobile and toxic (PMT) substances threatening water resources		Arp Hans-Peter	NTNU	Plenary	
	9:15-9:45	New Challenges and Opportunities in Food Analysis		Katerina Mastovska	AOAC international	Plenary	
	9:45-10:15	Towards sample-to-solution approaches for food contaminant determination at the point-of-need (Pittcon contribution)		Gert Salentijn	Wageningen University and Research	Plenary	
	10:15-10:30	Keynote Q&A				Plenary	
	10:30-11:00	<b>Exhibition, Posters &amp; Coffee</b>					Exhibition room
		<b>Plenary session - Sampling strategies and on-site detection (Chairs: Montserra Filella &amp; Hans Mol)</b>					Plenary
	11:00-11:15	Combatting cannibalism: early detection of processed animal proteins in poultry feed		Marleen Voorhuijzen	Wageningen University and Research	Plenary	
	11:15-11:30	Three sampling strategies for microplastics analysis in beaches: A critical comparison		Thomas Maupas	University of the Basque Country	Plenary	
	11:30-11:45	Towards rapid on-site detection of atropine in cereals		Ids Benjamin Lemmink	Wageningen University and Research	Plenary	
	11:45-12:00	Experimental and computational optimization of polymer inclusion membrane technique for mineral extraction in seawater		Luke Chimuka	University of the Witwatersrand	Plenary	
	12:00-12:45	<b>Closing ceremony: announcement ISEAC-42, best oral and poster awards</b>					Plenary



	Programme at a glance	
<b>Tue</b>	<b>Keynotes (2)</b>	
	Suspect and non-target screening	
	Food fraud & authenticity	Toxic chemicals, metabolites and transformation products (1)
	<b>Keynote (PARC)</b>	
<b>Wed</b>	<b>Keynotes (2)</b>	
	Risk assessment and modelling	
	Vendor seminar: Sciex: SCIEX 7500 for PFAS; introduction to ZenoTOF 7600	
	Vendor seminar: CTC Analytics: Recent Developments on automated $\mu$ SPE Clean-up Workflow	
	Food: environmental contaminants & residues	Micro/nano plastics analysis
<b>Thu</b>	<b>Keynotes (2)</b>	
	Effect directed analysis and in vitro assays for mixture assessment	
	<b>Keynote</b>	
	Miscellaneous analytics/sampling	
	Food contact materials	Toxic chemicals, metabolites and transformation products (2)
	Conference dinner	
<b>Fri</b>	<b>Keynotes (2) + Pitcon affiliated Keynote</b>	
	Sampling strategies and on-site detection	
	ISEAC-42, awards, closure	