

19 - 22 April 2022
Nijmegen, the Netherlands

Programme

Tuesday April 19th
Theme: Environment

09:00-10:30	Conference registration	
10:30-11:00	Opening ceremony	
11:00-12:00	Keynote lecture Analytical chemistry for a sustainable world <i>Peter Kuipers Munneke</i>	<i>Chair: Lutgarde Buydens</i>
12:00-14:00	Lunch , including Poster Session	
14:00-15:00	Keynote lecture Analytical tools in support of a toxic-free environment <i>Juliane Hollender</i>	<i>Chair: Jeroen Jansen</i>
15:00-15:15	Coffee break	
	Oral presentations	<i>Chair: Jeroen Jansen and Danny van Oevelen</i>
15:15-15:35	Fate of Gd-based contrast agents in the body and the environment <i>Uwe Karst</i>	
15:35-15:55	Modern voltammetric methods 100 years after the discovery of polarography: Where we are and where we are heading <i>Jiri Barek</i>	
15:55-16:15	Multimodal characterization of microplastics in drinking water <i>Clementina Vitali</i>	
16:15-17:00	Day closing session	
17:00	Informal reception	

Wednesday April 20th

Theme: Health

08:30-09:00	Walk in	
09:00-10:00	Keynote lecture Portable microfluidics for bioanalysis: new concepts for reagent integration and flow control <i>Emmanuel Delamarche</i>	<i>Chair: Michel Nielen</i>
10:00-10:45	Award ceremony & lecture The Heinrich Emanuel Merck Award for Analytical Science: Valérie Gabelica	
10:45-11:00	Coffee break	
	Oral presentations	<i>Chair: Cari Sänger, Bert Wouters and Mark Eggink</i>
11:00-11:20	Automated analysis of biopharmaceuticals using multidimensional liquid chromatography - mass spectrometry <i>Christoph Gstöttner</i>	
11:20-11:40	Analysis of short-chain fatty acids in exhaled breath for non-invasive monitoring of gut microbiome health <i>Joris Meurs</i>	
11:20-12:00	Sulfated Glycans in the Gas Phase: An Infrared Spectroscopy Study <i>Maike Lettow</i>	
12:00-14:00	Lunch , including Poster Session	
14:00-15:00	Keynote lecture Vaccine Development and the COVID-19 pandemic <i>Jerome Custers</i>	<i>Chair: Cari Sänger-van de Griend</i>
15:00-15:15	Coffee break	
	Oral presentations	<i>Chair: Martin Vogel, Leila Josefson and Eef Dirksen</i>
15:15-15:35	LC-MS/MS-IMS Method for unknown metabolites identification <i>Yuandi Zhao</i>	
15:35-15:55	Method development for the monitoring of various components in cell culture medium by capillary and microchip electrophoresis <i>Debbie van der Burg</i>	
15:55-16:15	Glycoproteomic Analysis of Plasma PSA by RP-LC-MS using Isobaric Labels <i>Guinevere Lageveen-Kammeijer</i>	
16:15-17:00	Keynote lecture Infrared Ion Spectroscopy: new opportunities for small-molecule identification in MS analysis <i>Jos Oomens</i>	<i>Chair: Jeroen Jansen</i>
17:00-18:00	Lab tours	

Thursday April 21st

Theme: Food

08:30-09:00	Walk in	
09:00-10:00	Keynote lecture Spectral imaging for direct analysis of foods: overcoming challenges through chemometrics? <i>Aoife Gowen</i>	<i>Chair: Jeroen Jansen</i>
10:00-10:45	Award ceremony & lecture KNCV I.M. Kolthoffprize: Georgina Ross	
10:45-11:00	Coffee break	
	Oral presentations	<i>Chair: Michel Nielen and Rita Folcarelli</i>
11:00-11:20	Advancement NMR technologies for deep insights into plant-based food <i>Maurien Olsthoorn</i>	
11:20-11:40	Automated identification of potential pesticides residues in fruit samples using HRMS data <i>Ismael Zamora</i>	
11:40-12:00	Mass spectrometry as tool for identification and characterization of prenyl number, configuration, and position in different subclasses of (iso)flavonoids <i>Sarah van Dinteren</i>	
12:00-14:00	Lunch , including Poster Session	
14:00-15:00	Keynote lecture Emerging global Food Security and Food Safety Challenges and related Analytical Solutions <i>Rudolf Krška</i>	<i>Chair: Michel Nielen</i>
15:00-15:15	Coffee break	
	Oral presentations	<i>Chair: Gert Salentijn and Gina Ross</i>
15:15-15:35	Structural elucidation of agrochemical derivatives using infrared ion spectroscopy <i>Matthias Vink</i>	
15:35-15:55	Predicting the uniqueness of single non-negative profiles estimated by multivariate curve resolution methods <i>Robert Rajko</i>	
15:55-16:15	Continuous monitoring of small molecules for industrial process control <i>Chris Vu</i>	
16:15-17:00	Day closing session	
17:00-18:00	Lab tours	

Friday April 22nd

Theme: Preparing for the future

08:30-09:00	Walk in	
09:00-10:00	Keynote lecture What data analysis and chemometrics methods can offer to solve environmental problems? <i>Romà Tauler</i>	<i>Chair: Oscar van den Brink</i>
10:00-10:45	Award ceremony & lecture COAST talent-award: Kasper Arfman	
10:45-11:00	Coffee break	
	Oral presentations	<i>Chair: Oscar van de Brink, Evan Wembo Zhao and Rianne van Outersterp</i>
11:00-11:20	Infrared Absorption Nanospectroscopy towards the Single Molecule Scale <i>Francesco Simone Ruggeri</i>	
11:20-11:40	Multilayer Plastic Sorting Based on Multi-Block Non-Negative Matrix Factorization <i>Mahdiyeh Ghaffari</i>	
11:40-12:00	Covalent surface modification for flow control & sensing in paper microfluidics <i>Canan Aksoy</i>	
12:00-14:00	Lunch , including Poster Session	
14:00-15:00	Plenary closing challenge	
15:00-15:30	Closing ceremony	

Plenary scientific activity	Scientific activity	Non-scientific activity
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Sponsors

