8:30

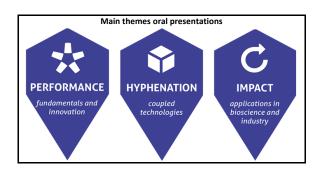
9:15

12:00 12:15

	Sunday, March 26			
1				
13:00	Short course 1	Short course 2	Short course 3	Short course 4
	room: Oxford 16	room: Oxford 18	room: Oxford 20	room: Oxford 22
	Two-dimensional			
	liquid chromatography	Ion mobility-mass spectrometry	Bioactivity screening analytics	Robust capillary electrophoresis
	Andrea Gargano (Center for Analytical Sciences	Albert Konijnenberg (University of Antwerp)	Jeroen Kool (Vrije Universiteit Amsterdam)	Cari Sänger (Kantisto)
	Amsterdam)			
16:00				

YS = Young Scientist

	Opening Plenary Session
	room: Rotonde
	co-chairs: Govert Somsen (Vrije Universiteit Amsterdam) en Rawi Ramautar (Leiden University)
17:00	Opening ceremony
17:15	PL1 - Vaccine development and bioanalysis: an industry perspective
	Jerome Custers (Janssen Vaccines & Prevention)
18:00	PL2 - High-power one-, two-, and three-dimensional liquid-chromatographic separations
	Peter Schoenmakers (University of Amsterdam)
18:45	
18:50	Welcome Reception
	room: Atrium Lounge
21:00	



Monday, March 27

Plenary Session

room: Sorbonne 2

chair: Maarten Honing (DSM Resolve)

PL3 - Microfluidics in biotherapeutic development: enhancing throughput and allowing for heightened characterization

Nathan Lacher (Pfizer)

	(Bio)Pharma-meets-microscale-separations Session 1	Metabolomics & Biomarker Analysis Session	Microfluidic Separations & Lab-on-a-Chip Session
	room: Sorbonne 2	room: Sorbonne 4	room: Oxford 16
9:25	Introduction by the session chair Cari Sänger (<i>Kantisto</i>)	Introduction by the session chair Oleg Mayboroda (<i>Leiden University Medical Center</i>)	Introduction by the session chair Jörg Kutter (University of Copenhagen)
9:30	KN3 - Why analytical science is ever more needed to develop biopharmaceuticals in the 21st century Marta Germano (Janssen Vaccines & Prevention)	KN2 - Robust CE-MS methods for metabolomics: achieving greater throughput, lower costs and better data comparability Philip Britz-McKibbin (McMaster University)	KN1 - One- and two-dimensional chip-HPLC coupled to MS Detlev Belder (<i>University of Leipzig</i>)
10:00	Or11 - Glycosylation of recombinant antigens from Mycobacterium tuberculosis: analytical challenges in a glycovaccine development Caterina Temporini (University of Pavia)	Or6 - Metabolic profiling of biomass-limited samples from a mouse model of polycystic kidney disease by sheathless CE-MS Elena Sánchez-López (University of Alcala) YS	Or1 - Microfluidic sample preparation combined with ultrasensitive nanoLC-MS for deep proteome analysis of 10–140 cells Ryan Kelly (Pacific Northwest National Laboratory)
10:20	Or12 - CE-MS for intact mass analysis of antibodies and antibody-drug-conjugates Aran Paulus (Thermo Fisher Scientific)	Or7 - Anion chromatography coupled to high resolution mass spectrometry: a powerful tool for targeted and non-targeted metabolomics Michaela Schwaiger (University of Vienna) YS	Or 2 - MicroTAS for IMAC preconcentration, separation and detection of phosphorylated biomarkers Myriam Taverna (Université Paris-Sud)
10:40	Coffee break in Asamblea and Alegria I&II		
11:00	Or13 - Characterization of Fcy receptor biotinylation under controlled reaction conditions by MS and ligand binding analysis Karin Lubbers-Geuijen (Synthon Biopharmaceuticals) YS	Or8 - Analytics in microbiome: investigating quorum sensing peptides Nathan Debunne (DruQuaR)	Or3 - Low-cost environmental diagnostics enabled by novel hybrid microsystems Vincent Remcho (Oregon State University)
11:20	Or14 - Improving the sensitivity for LC-MS quantitation of biologics in plasma using trap-and-elute microLC-MS Remco van Soest (Sciex)	Or9 - Metabolomics approach towards understanding rare cardiovascular diseases Renata Wawrzyniak (Medical University of Gdansk) YS	Or4 - Orthogonal charge- and size-based separations of polymer microparticles in non-uniform microfluidic channels Sergio Fernandez-Posa (University of Groningen)
11:40	Or15 - Forced degradation comparability of an AQbD-developed adenovirus quantification CZE method Lars Geurink (Janssen Vaccines and Prevention) YS	Or10 - Using metabolomics approach to investigate biochemical mechanisms involved in ultra-weak photon emission Rosilene Rossetto Burgos (Leiden University) YS	Or5 - Magnetic bead-based immunoassays coupled with isoelectric focusing of AB peptides: towards microfluidic droplet manipulation Thanh Duc Mai (Institute Galien Paris-Sud) YS

Science Café lunch room: Sorbonne 2 presented by SCIEX

13:15			
13:30	Poster Pitches room: Sorbonne 2 chair: Peter Schoenmakers (University of Amsterdam)		
14:00			
15:15			
	(Bio)Pharma-meets-microscale-separations Session 2 room: Sorbonne 2	Glycomics & Protein Analysis Session room: Sorbonne 4	Microcolumn Technologies & Separation Media Session room: Oxford 16
15:25	Introduction by the session chair Michel Eppink (Synthon/Wageningen University)	Introduction by the session chair Herbert Lindner (Innsbruck Medical University)	Introduction by the session chair Gerard Rozing (Rozing.com Consulting)
15:30	KN6 - Where industry meets academia in biopharma Marc Eggink <i>(Synthon)</i>	KN5 - Characterizing glycan and glycopeptide isomers derived from biological systems by LC MS/MS Yehia Mechref (<i>Texas Tech University</i>)	KN4 - Impact of column diameter and flow rate on sensitivity and resolution in LC-UV and LC-MS separations Monika Dittmann (Agilent Technologies)
16:00	Or26 - N-glycosylation analysis of erythropoietin therapeutic formulations and bioprocess samples by MALDI-TOF-MS David Falck (Leiden University Medical Center)	Or21 - Glycan analysis by temperature gradient capillary electrophoresis. Some like it hot Andras Guttman (University of Debrecen)	Or16 - From analytical to nano flow LC-MS: high robustness and sensitivity to answer complex biological questions Remco Swart (Thermo Fisher)
16:20	Or27 - Ultra-fast pH-gradient ion exchange chromatography for the separation of monoclonal antibody charge variants Robert van Ling (Thermo Fisher Scientific)	Or22 - Sialic acid derivatization strategies for MALDI-TOF-MS profiling of glycans and glycopeptides in complex samples and tissues Noortje de Haan (Leiden University Medical Center) YS	Or17 - Benchmarking pillar array columns optimized for high peak capacities Wim De Malsche (Vrije Universiteit Brussel)
16:40		Coffee break in Asamblea and Alegria I&II	
17:00	Panel discussion	Or23 - Analysis of proteins, protein complexes, and proteomes using sheathless CZE- MS under native conditions Alexander Ivanov (Northeastern University)	Or18 - Development of microfluidic chip technology to achieve unprecedented separation performance Jelle De Vos (Vrije Universiteit Brussel) YS
17:20	Two sides of Science room: Sorbonne 2 chair: Martin Donker (Isogen)	Or24 - Glycosylation analysis of prostate specific antigen – towards improved diagnosis of prostate cancer Guinevere Kammeijer (Leiden University Medical Center) YS	Or19 - High sensitivity and selectivity in analysis of drugs in plasma using 4D micro-UHPLC-MS enabling enhanced sample loadability Ronald de Vries (Janssen Pharma)
17:40	ciali. Martii Durkei (isugeri)	Or25 - Characterization of Isomeric Glycans In Pancreatic Diseases by GRIL and ZIC- HILIC-MS combined with Exoglycosidase Digestion Estela Gimenez (University of Barcelona)	Or20 - 3D-print of planar separation media Gertrud Morlock (<i>Justus Liebig University</i>)
18:00			
19:00		Conference dinner Restaurant Gaudi	
21:00			

	Tuesday, March 28	
	Plenary Session	
	room: Sorbonne 2	
	chair: James Landers (University of Virginia)	
8:30	Presentation of Arnold O. Beckman Medal	
	Jeff Chapman (<i>Sciex</i>)	
8:45	PL4 - Lecture of Beckman Medal awardee	
	TDA	

9:15

	Multidimensional Separations & Lipidomics Session room: Sorbonne 2	Young Scientists Session room: Sorbonne 4
9:25	Introduction by the session chair Michael Lämmerhofer (<i>University of Tübingen</i>)	Introduction by the session chair Rob Haselberg (Vrije Universiteit Amsterdam)
9:30	KN7 - Microscale online comprehensive two-dimensional LC – second thoughts on speed, efficiency and selectivity Thorsten Teutenberg (Institute of Energy- and Environmental Technology)	KN8 - Pushing the boundaries of lipid research (and your own boundaries) Jurre Kamphorst (University of Glasgow) YS
10:00	Or28 - Toward high-throughput & high-resolution comprehensive 2D HPLC analysis of intact proteins: a parallel 2nd-D column approach Shaorong Liu (University of Oklahoma)	Or33 - Development of an ion chromatographic microfluidic chip platform integrating separation, suppression, and detection Sam Wouters (Vrije Universiteit Brussel) YS
10:20	Or29 - Online 2DLC meets top-down MS: WCX/a×m/RPLC UVPD-HRMS analysis of histone isoforms, a method with a long name and many forms Andrea Gargano (Center for Analytical Sciences Amsterdam) YS	Or34 - Novel CZE method for the quantification of intact adenovirus particles – QbD method development and implementation Ewoud van Tricht (Janssen Vaccins and Prevention) YS
10:40	Coffee break in Asar	mblea and Alegria I&II

Or30 - Hyphenating IC and CE: The Development of a comprehensive system and its application to arsenic speciation analysis Andrea Beutner (University of Regensburg) YS	Or35 - Longitudinal plasma metabolic changes associated with cortical spreading depression in a transgenic mouse model of migraine Isabelle Kohler (Leiden University) YS	
Or31 - A laminar flow interface for efficient coupling of CE to capillary array electrophoresis for multidimensional separations John Chin (Concordia University)	Or36 - Glucose Unit calculation for CE analysis without the use of the maltooligosaccharide ladder Gabor Jarvas (University of Pannonia) YS	
Or32 - A novel structure elucidation strategy of bacterial Lipid-A applying HPLC- MS/MS for future vaccine adjuvant bioanalysis Agnes Dörnyei (University of Pécs)	Or37 - A CE-based Method for the analysis of hIAPP oligomers involved in Type 2 Diabetes and the screening of aggregation inhibitors Corentin Berardet (Institut Gallen Paris Sud) YS	
Science (afé lunch	
presented by AGILE	INT TECHNOLOGIES	
Poster	Pitches	
Chail. Fetel Schoeilliakels	(University of Amsterdam)	
Tooms. Asambici	a and Alegna Ixii	
Advanced Detection Strategies Session	Forensic Analysis Session	
	room: Sorbonne 4	
Christopher Birch (University of Virginia)	Introduction by the session chair Marina Tavares <i>(University of Sao Paulo)</i>	
Nanoscale measurements of vesicle content in solution, in cells, and in varicosities Andrew Ewing (Chalmers University & University of Gothenburg)	KN10 - The potential and challenges of rapid chemical and toxicological analysis in forens science Arian van Asten (Netherlands Forensic Institute/University of Amsterdam)	
Or38 - Analysis of polyvinyl alcohol microbubbles with different detectors Leila Josefsson (KTH - Royal institute of Technology) YS	Or40 - CZE automated fraction collection for the analysis of sexual assault evidence Sarah Lum (University of Notre Dame) YS	
Or39 - Development of multi-parametric surface plasmon resonance for living cell sensing Teemu Suutari (University of Helsinki/Vrije Universiteit Amsterdam) YS	Or41 - Separation of organophosphate nerve agents by CE and microchip CE Xi Cao (Tyndall National Institute) YS	
All-participant Excursion Keukenhof & Dinner		
Wednesda	v March 20	
Plenary	Session	
room: So	rbonne 2	
room: So chair: Michael Ramsey <i>(Un</i> PL5 - A mass spectrometry view in	iversity of North Carolina) Ito diverse aspects of glycobiology	
room: So chair: Michael Ramsey (<i>Un</i>	iversity of North Carolina) Ito diverse aspects of glycobiology	
room: So chair: Michael Ramsey <i>(Un</i> PL5 - A mass spectrometry view i n Albert Heck <i>(Utr</i>	viversity of North Carolina) Ito diverse aspects of glycobiology The inversity of the control	
room: So chair: Michael Ramsey <i>(Un</i> PL5 - A mass spectrometry view in	iversity of North Carolina) Ito diverse aspects of glycobiology	
room: So chair: Michael Ramsey (Un PL5 - A mass spectrometry view in Albert Heck (Utr CE-MS & Advanced MS Techniques Session room Sorbonne 2 Introduction by the session chair	Interestry of North Carolina) Interestry of North Carolina) Interestry of Sample Preparation Session: Interestry of North Carolina) Sample Preparation Session: Interestry of North Carolina) Introduction by the session chair	
room: So chair: Michael Ramsey (Un PL5 - A mass spectrometry view in Albert Heck (Utr CE-MS & Advanced MS Techniques Session room Sorbonne 2	Sample Preparation Session: room: Sorbonne 4 Introduction by the session chair Julie Schappler (University of Geneva)	
room: So chair: Michael Ramsey (Un PL5 - A mass spectrometry view in Albert Heck (Utr CE-MS & Advanced MS Techniques Session room Sorbonne 2 Introduction by the session chair	Interestry of North Carolina) Interestry of North Carolina) Interestry of Sample Preparation Session: room: Sorbonne 4 Introduction by the session chair	
	Andrea Beutner (University of Regensburg) YS Or31 - A laminar flow interface for efficient coupling of CE to capillary array electrophoresis for multidimensional separations John Chin (Concordia University) Or32 - A novel structure elucidation strategy of bacterial Lipid-A applying HPLC-MS/MS for future vaccine adjuvant bioanalysis Agnes Dörnyei (University of Pécs) Science C room: So presented by AGILE Poster room: So chair: Peter Schoenmakers Poster S rooms: Asamblei Advanced Detection Strategies Session room Sorbonne 2 Introduction by the session chair Christopher Birch (University of Virginia) Nanoscale measurements of vesicle content in solution, in cells, and in varicosities Andrew Ewing (Chalmers University & University of Gothenburg) Or38 - Analysis of polyvinyl alcohol microbubbles with different detectors Leila Josefsson (KTH - Royal institute of Technology) TS Or39 - Development of multi-parametric surface plasmon resonance for living cell sensing Teemu Suutari (University of Helsinki/Vrije Universiteit Amsterdam) YS All-participant Excursic	

10:20	Or43 - Investigation of a multiply post-translationally modified brain protein by CE- MS Betina Sarg (Innsbruck Medical University)	Or48 - From hours to minutes: fast and sensitive profiling of the human tissues and biofluids Irena Dapic (University of Amsterdam) YS
10:40	Coffee break in Asan	amblea and Alegria I&II
11:00	Or44 - CE-MS for the assessment of protein conformers Elena Dominguez-Vega (Vrije Universiteit Amsterdam) YS	Or49 - Novel capillary isoelectric focusing device increases the depth of proteomics analysis Roman Zubarev (Karolinska Instutet)
11:20	Or45 - The application of capillary electrospray ionization to the detection of neuropeptides Stephen Lock (Sciex)	Or50 - Electroextraction coupled to CE-MS: a new tool for metabolomic profiling of biomass-limited samples Amar Oedit (Leiden University) YS
11:40	Or46 - Combining native ion mobility and top-down mass spectrometry for conformational footprinting of heterogeneous protein ensembles Albert Konijnenberg (University of Antwerp) YS	Or51 - Automated enzyme microreactor fabrication in a CE instrument for proteomics applications Karen Waldron (University of Montreal)
12:00		
12:15	Science Café lunch	

12:15	Science Café lunch
	room: Sorbonne 2
	presented by ISOGEN LIFE SCIENCE

13:15

15:45

	Electrodriven Separations Session room: Sorbonne 2	Affinity, Bioactivity and Bioanalysis Session room: Sorbonne 4
13:25	Introduction by the session chair Sergey Krylov (York University)	Introduction by the sesion chair Jeroen Kool (<i>Vrije Universiteit Amsterdam</i>)
13:30	KN13 - Some thoughts on electrodriven separations: Fields, friction, fluids, and free energy Stephen Weber (University of Pittsburgh)	KN14 - Simultaneous analysis of enzyme structure and activity by kinetic CE-MS Maxim Berezovski (<i>University of Ottawa</i>)
14:00	Or52 - Solid state electrophoresis Rosanne Guijt (University of Tasmania)	Or56 - Playing the ACE card for ligand binding assays Herman Wätzig (University of Braunschweig)
14:20	Or53 - An integrated, centrifugally-driven microdevice for the electrophoretic separation of DNA Brandon Thompson (University of Virginia) YS	Or57 - Fraction collection of full GC separations in 384-well plates with parallel MS detection for bioactivity screening Willem Jonker (Vrije Universiteit Amsterdam) YS
14:40	Coffee break in Asar	nblea and Alegria I&II
15:05	Or54 - Organelle fractionation for subpopulation analysis Daihyun Kim (Arizona State University) YS	Or58 - Getting more with less: Improving sensitivity and reducing sample consumption with micro-LC/MS assays in bioanalysis Eric van Beelen (Waters)
15:25	Or55 - CE-C4D method development and validation for the determination of azithromycin, clarithromycin and clindamycin Prasanta Paul (KU Leuven) YS	Or59 - Quantitative profiling of endocannabinoids and related N-acylethanolamines in human CSF using nano LC-MS/MS Vasudev Kantae (Leiden University) YS

	Closing Plenary Session		
	room: Sorbonne 2		
	co-chairs: Govert Somsen (Vrije Universiteit Amsterdam) en Rawi Ramautar (Leiden University)		
16:00	PL6 - Microfabricated technologies for accomplishing liquid phase separations and mass spectrometry		
	Michael Ramsey (University of North Carolina)		
16:45	Presentation of Best Poster Awards		
	Monika Dittmann (Chair Poster Award Jury)		
16:55	Presentation of Young Scientist Award		
	Philip Britz-McKibbin (<i>Chair Young Scientist Jury</i>)		
17:00	Invitation to MSB 2018, Sao Paulo, Brazil		
	Marina Tavares (chair)		
17:05	Closing ceremony		
17:10			
17:15	Farewell Reception		
	room: Gaudi Lounge		