

Program at a Glance

Day 1 - 22 June 2021

- 08:50 a.m. – 09:00 a.m. CEST Welcome and introduction
*Jacob Thaysen, Senior Vice President,
Life Sciences and Applied Markets Group,
Agilent Technologies*
- 09:00 a.m. – 09:05 a.m. CEST **Session: The Power of 2DLC Part 1**
*Chair: Oliver J. Schmitz,
University of Duisburg-Essen, Germany*
- 09:05 a.m. – 09:30 a.m. CEST Maximizing two-dimensional liquid chromatography peak capacity for the separation of complex industrial samples
Gert Desmet, Vrije Universiteit Brussel, Belgium
- 09:30 a.m. – 09:55 a.m. CEST The Power of on-line RPLC x RPLC
Sabine Heinisch, University of Lyon, France
- 09:55 a.m. – 10:20 a.m. CEST Advanced separation tools for chemical structure characterization
Matthias Pursch, Dow Chemical, Germany
- 10:20 a.m. – 10:50 a.m. CEST Break
- 10:50 a.m. – 10:55 a.m. CEST **Session: The Power of 2DLC Part 2**
*Chair: Oliver J. Schmitz,
University of Duisburg-Essen, Germany*
- 10:55 a.m. – 11:20 a.m. CEST What can 2DLC offer in food applications?
Lidia Montero, University of Duisburg-Essen, Germany
- 11:20 a.m. – 11:45 a.m. CEST The power of comprehensive two dimensional liquid chromatography to characterize very complex food related samples
Miquel Herrero, Institute of Food Research, Spain
- 11:45 a.m. – 12:10 p.m. CEST 2DLC a powerful extension in (Bio)Pharmaceutical analysis
Michael Lämmerhofer, University of Tuebingen, Germany
- 12:10 p.m. – 13:10 p.m. CEST Break

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- 13:10 p.m. – 13:15 p.m. CEST **Session: Current developments in LC and LC-MS for food and environmental applications Part 1**
Chair: Imma Ferrer, University of Colorado, USA
- 13:15 p.m. – 13:40 p.m. CEST Sensitive, automated determination of pesticide residues in wine samples by on-line SPE LC-MS/MS
Leticia Pérez-Mayán, University of Santiago de Compostela, Spain
- 13:40 p.m. – 14:05 p.m. CEST Not only dilution is a solution: Tools for correcting the matrix effect in environmental samples for reliable non-target LC-ESI-MS analysis
Selina Kornelia Tisler, Copenhagen University, Denmark
- 14:05 p.m. – 14:30 p.m. CEST LC-HRMS screening of per- and polyfluorinated alkyl substances (PFAS) in food contact paper and contaminated soils
Boris Bugsel, University of Tuebingen, Germany
- 14:30 p.m. – 15:00 p.m. CEST Break
- 15:00 p.m. – 15:05 p.m. CEST **Session: Current developments in LC and LC-MS for food and environmental applications Part 2**
Chair: Imma Ferrer, University of Colorado, USA
- 15:05 p.m. – 15:30 p.m. CEST A ubiquitous tire rubber-derived chemical induces acute mortality in coho salmon
Zhenyu Tian, University of Washington, USA
- 15:30 p.m. – 15:55 p.m. CEST Fast and highly sensitive determination of 11-nor-9-carboxy- Δ^9 -tetrahydrocannabinol in hair using liquid-chromatography-multistage mass spectrometry (LC-MS³)
Petra Hehet, Ludwig Maximilian University of Munich, Germany

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- 15:55 p.m. – 16:20 p.m. CEST Determination of micropollutants metabolisation in biofilms by HPLC-MS
Kai Bester, Aarhus University, Denmark
- 16:20 p.m. – 16:40 p.m. CEST A Tribute to Prof. Klaus-Peter Hupe, Scientist and Entrepreneur
Stefan Schuette, Vice President Liquid Phase Separations Division, Agilent Technologies and Gerard Rozing, Emeritus Agilent Technologies Research Fellow
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Day 2 - 23 June 2021

- 09:00 a.m. - 09:05 a.m. CEST *Session: Trends in Biopharmaceutical Analysis Part 1*
Chair: Koen Sandra, RIC Group, Belgium
- 09:05 a.m. - 09:30 a.m. CEST Targeted Bottom-up Characterization of Recombinant Monoclonal Antibodies by Multidimensional LC/MS
Cinzia Stella, Genentech, CA, USA
- 09:30 a.m. - 09:55 a.m. CEST 2D-LC in the pharmaceutical industry: from the characterization of complex drug modalities to high throughput analysis
Alexandre Goyon, Genentech, USA
- 09:55 a.m. - 10:20 a.m. CEST Coupling non denaturing chromatographic techniques with mass spectrometry for biopharmaceuticals characterization
Davy Guilarme, Geneva University, Switzerland
- 10:20 a.m. - 10:50 a.m. CEST Break
- 10:50 a.m. - 10:55 a.m. CEST *Session: Trends in Biopharmaceutical Analysis Part 2*
Chair: Koen Sandra, RIC Group, Belgium
- 10:55 a.m. - 11.20 a.m CEST Exploring the chemical space of modifications in therapeutic proteins employing chromatography, mass spectrometry, and bioinformatics
Christian Huber, University of Salzburg, Austria

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- 11:20 a.m. - 11:45 a.m. CEST Bioanalysis of therapeutic proteins
Rainer Bischoff, Univeristy of Groningen, The Netherlands
- 11:45 a.m. - 12:10 p.m. CEST Challenges in Analytical Characterization of Biosimilars
Anurag Rathore, Indian Institute of Technology, India
- 12:10 p.m. - 13:10 p.m. CEST Break
- 13:10 p.m. - 13:15 p.m. CEST Session: Innovations and novel insights in Liquid Chromatography Part 1
Chair: Ken Broeckhoven,
Vrije Universiteit Brussel, Belgium
- 13:15 p.m. - 13: 40 p.m. CEST Rationalisation of peak shapes of peptides and mAbs in reversed-phase LC using a variety of mobile phase additives
David McCalley, UWE Bristol, United Kingdom
- 13:40 p.m. - 14:05 p.m. CEST Comparison of HILIC and RP approach in the multiplex analysis of antivirals to tackle Drug-Drug Interactions
Lucie Nováková, Charles University, Czech Republik
- 14:05 p.m. - 14:30 p.m. CEST Implementing Miniaturized Separation Platforms into Pharmaceutical Workflows
James Grinias, Rowan University, USA
- 14:30 p.m. - 15:00 p.m. CEST Break

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Day 2 - 23 June 2021

- 15:00 p.m. – 15:05 p.m. CEST Session: Innovations and novel insights in Liquid Chromatography Part 2
Chair: Ken Broeckhoven,
Vrije Universiteit Brussel, Belgium
- 15:05 p.m. – 15:30 p.m. CEST Shedding light on mechanisms leading to convex-upward van Deemter curves on a cellulose tris (4-chloro-3-methylphenylcarbamate)-based chiral stationary phase
Martina Catani, University of Ferrara, Italy
- 15:30 p.m. – 15:55 p.m. CEST Innovations in temperature responsive liquid chromatography
Frederic Lynen, University of Gent, Belgium
- 15:55 p.m. – 16:20 p.m. CEST Design aspects of a microfluidic device for comprehensive spatial three-dimensional LC
Sebastiaan Eeltink, Vrije Universiteit Brussel, Belgium

This is a meeting for you – feel free to get involved, ask questions, make suggestions and be a part of the Agilent InfinityLab LC Community.

[Register now >>>](#)

We look forward to “seeing” you at this virtual event.