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-Δ9-tetrahydrocannabinol in hair using liquid-chromatography-multistage mass spectrometry (LC-MS³)  
*Petra Hehet, Ludwig Maximilian University of Munich, Germany*
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Day 2 - 23 June 2021

15:55 p.m. – 16:20 p.m. CEST
Determination of micropollutants metabolism 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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Day 2 - 23 June 2021

11:20 a.m. - 11:45 a.m. CEST  Bioanalysis of therapeutic proteins
   Rainer Bischoff, University 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.