



The scientific program will cover the following topics:

### **Advances in LC Technologies**

- Fundamentals
- Stationary Phases & Column Technologies
- Separation Modes (HILIC, Mixed-mode, affinity, et al.)
- Chiral separation
- Sample Preparation
- New Instrumentation and Mass Spectrometric Detection Methods
- Supercritical Fluid Chromatography
- Capillary Electrophoresis and Microfluidics
- Preparative and Process Chromatography
- Biochromatography (peptides, proteins, oligonucleotides, mRNA, DNA, pDNA, vaccines, viruses and viral like particles)
- Materials and 3D-printing

### **Hyphenated Technologies**

- LC-MS, SFC-MS and CE-MS
- Ion-mobility Mass Spectrometry
- Multidimensional Separations
- Untargeted and Targeted Analysis
- Data Processing for Omics Technologies

### **Applications**

- Food Analysis
- Environmental Analysis
- Pharmaceutical Analysis
- Biopharmaceuticals
- Drug discovery and Pharmacokinetics
- Omics (Metabolomics, Lipidomics, Proteomics, Multiomics)
- Forensics Analysis and Doping Control
- HPLC in chemical industry