



ISC 2026

35th INTERNATIONAL SYMPOSIUM
ON CHROMATOGRAPHY



SUNDAY 6 - THURSDAY 10 SEPTEMBER 2026
PRAGUE, THE CZECH REPUBLIC, PRAGUE CONGRESS CENTRE

PROGRAM BOOK



PLATINUM SPONSOR



SHIMADZU

Excellence in Science



CONTENTS



WELCOME MESSAGE	2
COMMITTEES	3
ACKNOWLEDGEMENT TO SPONSORS	5
VENUE	7
PRACTICAL INFORMATION	9
SCIENTIFIC PROGRAM	11
PAVEL JANDERA AWARD	31
POSTER LIST	32
ABOUT ISC	44
EXHIBITION & SPONSORSHIP	47
COMPANY PROFILES	48



WELCOME MESSAGE



Dear Colleagues and Friends,

The International Symposium on Chromatography (ISC) represents the oldest conference series on separation science. ISC symposia have been organised since 1956 in each even year. ISC is one of the premier meetings series for discussion of all modes of chromatography and separation science with a broad coverage of techniques and applications.

The major focus of the symposium will be on the impact of chromatography and separation science to meet the needs of the pharmaceutical, environmental, food and health industry, as well as science and medicine. The symposium programme will reflect these themes and highlight new challenges and emerging opportunities for the science and marketing of separation and detection systems and methods.

As an integral part of the scientific programme of lectures and poster sessions, an international exhibition and vendor seminars on instrumentation and services for chromatography, separation science and mass spectrometry will be organised. ISC 2026 will provide the perfect forum for attendees from academia, industry and government research institutions for scientific exchange and networking.

Warm regards,



Michal Holčápek
ISC 2026 Co-Chair



Lucie Nováková
ISC 2026 Co-Chair



COMMITTEES

PERMANENT SCIENTIFIC COMMITTEE



Alberto Cavazzini
University of Ferrara



Gert Desmet
Vrije Universiteit Brussel



Tony Edge
Avantor



Michal Holčapek
University of Pardubice



Jörg Kutter
University of Copenhagen



Oliver J. Schmitz
University of Duisburg-Essen



Caroline West
Université d'Orléans, France

INDUSTRY ADVISORY BOARD



Isabelle François
Chromisa Scientific,
Belgium



Koen Sandra
RIC group,
Belgium



Tony Edge
The Chromatographic Society,
United Kingdom



Gesa Schad
Shimadzu Europa GmbH,
Germany



Adrian Clarke
Novartis Pharma AG,
Switzerland



COMMITTEES

LOCAL ORGANIZING COMMITTEE - CHAIRS



Michal Holčápek

University of Pardubice,
Faculty of Chemical Technology,
Pardubice



Lucie Nováková

Charles University,
Faculty of Pharmacy,
Hradec Králové

LOCAL ORGANIZING COMMITTEE - MEMBERS



Petr Bednář

Palacký University,
Faculty of Science, Olomouc



Josef Cvačka

Czech Academy of Sciences,
Institute of Organic Chemistry
and Biochemistry, Prague



Petr Česla

University of Pardubice,
Faculty of Chemical Technology,
Pardubice



Petr Chocholouš

Charles University,
Faculty of Pharmacy,
Hradec Králové



Robert Jirásko

University of Pardubice,
Faculty of Chemical Technology,
Pardubice



Václav Kašíčka

Czech Academy of Sciences,
Institute of Organic Chemistry
and Biochemistry, Prague



Ondřej Peterka

University of Pardubice,
Faculty of Chemical Technology,
Pardubice



Kateřina Plachká

Charles University,
Faculty of Pharmacy,
Hradec Králové



Jiří Urban

Masaryk University,
Faculty of Science, Brno



ACKNOWLEDGEMENT TO SPONSORS



PLATINUM SPONSOR



SHIMADZU

Excellence in Science



SILVER SPONSORS



Agilent



CHROMSERVIS®



DataApex

pragolab

authorized distributor

thermoscientific

RESTEK

Waters™



PARTNERS



TUBE & QUIZ SPONSOR



MEDIA PARTNERS



**This project is implemented with financial support
from the Capital City of Prague**



**prague
city tourism**



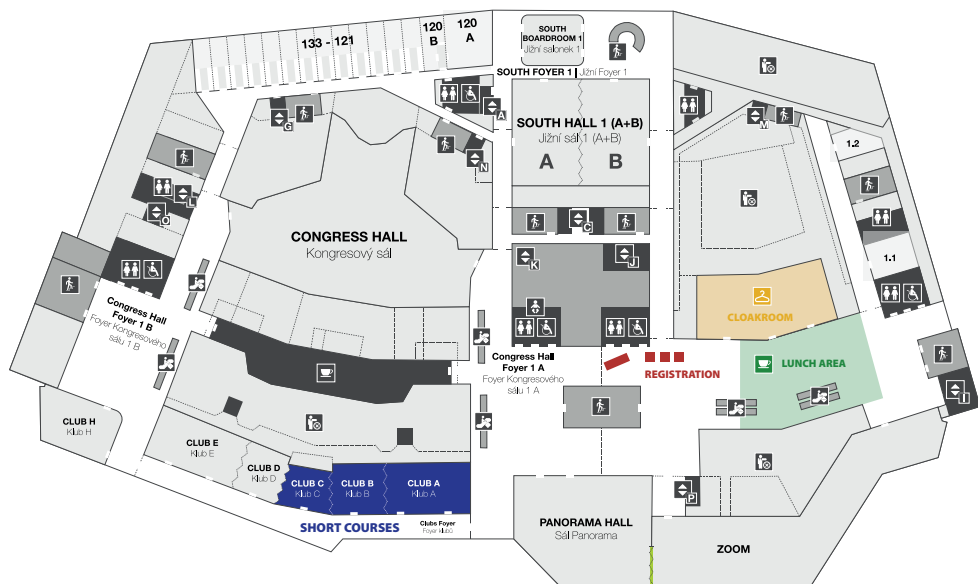
VENUE

PRAGUE CONGRESS CENTRE (PCC)

With all of the key requirements in one reconstructed building and just 5 minutes to the city centre using the complimentary public transport ticket, Prague provides a fantastically convenient solution for all ISC delegates.

FLOORPLAN

SYMPOSIUM FLOORPLAN PCC - FIRST FLOOR



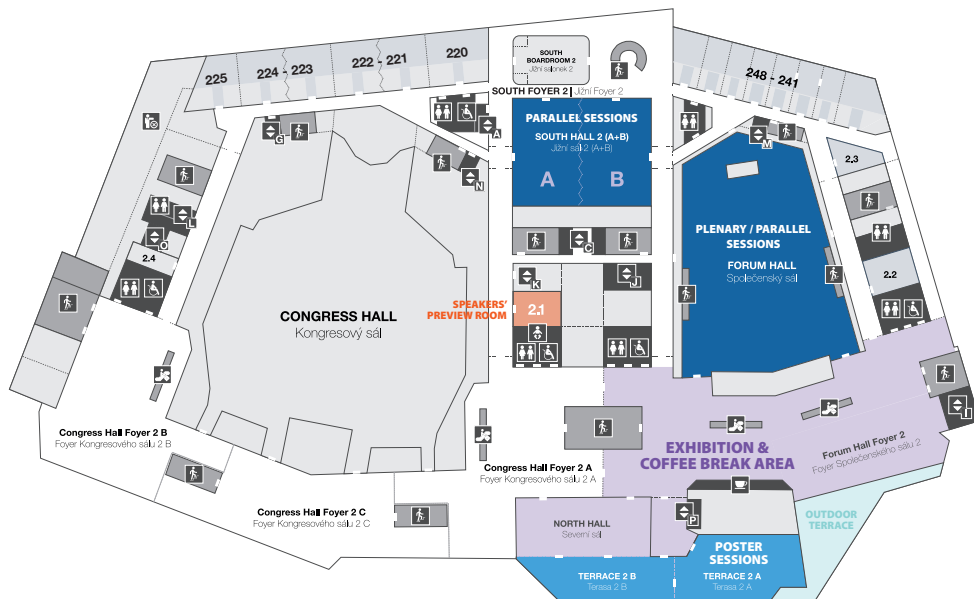
1



VENUE

FLOORPLAN

SYMPOSIUM FLOORPLAN PCC - SECOND FLOOR



- EXHIBITION
 - POSTER SESSIONS
 - PLENARY / PARALLEL SESSIONS
 - CATERING

2



PRACTICAL INFORMATION



VENUE LOCATION

Prague Congress Centre (PCC)

5. května 1640/65

140 21 Praha

Česká republika

Entrance No. 5

REGISTRATION

Delegates who have not yet paid the registration fee in full will be asked to settle the outstanding balance.

In the event of a lost congress name badge, please contact the Registration Desk at the Queries / Information counter. Access to the symposium will not be permitted without a valid name badge. Kindly note that badge reissuance is subject to a 10 EUR administrative fee.

REGISTRATION DESK OPENING HOURS:

Saturday, 5 September	8:30 - 17:00
Sunday, 6 September	7:30 - 19:00
Monday, 7 September	7:30 - 18:00
Tuesday, 8 September	7:30 - 19:00
Wednesday, 9 September	8:00 - 18:00
Thursday, 10 September	8:30 - 15:00

SOCIAL PROGRAM

WELCOME COCKTAIL

- Date: Sunday, 6 September 2026
- Time: 18:30 - 20:00
- Venue: Prague Congress Centre, 2nd floor foyer (main Symposium and exhibition area)

GALA DINNER AT NATIONAL HOUSE VINOHRADY

- Date: Wednesday, 9 September 2026
- Time: 19:00 - 24:00
- Venue: Náměstí Míru 9, 120 53 Prague 2
- Ticket: 100 EUR
- **Gala dinner is not included in the registration fee.**
- **The transportation is not provided.**

SHORT COURSES

Detailed information about short courses can be found on the Symposium webpage.

- **SC 1 – Modern HPLC Separation in Theory and Practice**

Date: Saturday, 5 Sep 2026

Time: 9:30 – 17:00

- **SC 2 – mzmine for LC-MS data analysis**

Date: Saturday 5 Sep 2026

Time: 9:30 – 16:00

- **SC 3 – The Analytical Procedure Lifecycle Approach: from Procedure Design to Performance Assessment using AQBd Principles**

Date: Sunday, 6 Sep 2026

Time: 8:30 – 11:45

- **SC 4 – Interpretation of Mass Spectra: Basic Introduction for Chromatographers**

Date: Sunday, 6 Sep 2026

Time: 8:30 – 11:45

- **SC 5 – Hydrophilic Interaction Liquid Chromatography**

Date: Sunday, 6 Sep 2026

Time: 8:30 – 11:45

- **SC 6 – Oligonucleotides and Other Biopharmaceuticals**

Date: Sunday, 6 Sep 2026

Time: 12:30 – 15:45

- **SC 7 – Statistical Analysis and Visualization of Quantitative LC/MS Data in R**

Date: Sunday, 6 Sep 2026

Time: 12:30 – 15:45

- **SC 8 – Supercritical Fluids in Chromatography and Extraction**

Date: Sunday, 6 Sep 2026

Time: 12:30 – 15:45



PRACTICAL INFORMATION



SCIENTIFIC PROGRAM

ORAL PRESENTATIONS

Please note that it is not possible to present from your laptop in the lecture room. All presentations (except for short courses) must be uploaded. There are two options for uploading your presentation:

- **Online in advance (recommended)**

You will be encouraged to upload your presentation online before arriving at the venue. The online file upload link was shared at the end of August 2026.

OR

- **On-site at the venue**

If your presentation has not been uploaded online, it must be handed over to the IT personnel with a USB stick as far in advance as possible but **no later than 2 hours before the start of your session**. You will be able to verify that your presentation is running smoothly.

The Speakers' Preview Room is located in **Room 2.1** and the opening hours are as follows:

UPLOAD CENTRE OPENING HOURS:

Saturday, 5 September	8:30 - 17:00
Sunday, 6 September	7:30 - 19:00
Monday, 7 September	7:30 - 18:00
Tuesday, 8 September	7:30 - 19:00
Wednesday, 9 September	8:00 - 18:00
Thursday, 10 September	8:30 - 14:30

PAVEL JANDERA AWARD

The Award Jury evaluates eligible oral presentations and selects a winner based on the overall quality and delivery of the presentation, as well as the scientific quality and relevance of the results.

Eight nominees have been selected and are marked with a star at the beginning of their abstract title in the program (more information on Page 31). The Pavel Jandera Award will be announced before the Closing Ceremony on Thursday, 10 September, from 14:00 to 14:30.

POSTERS

All poster presenting authors are asked to bring their printed posters to the venue. The required poster size is A0, portrait orientation - 84.1 cm wide and 118.9 cm high.

The poster area will be in the Terrace Hall 2A + 2B and will be open for poster mounting from Sunday, 6 September, 13:00. Posters should be set up by Monday, 7 September, 8:30. Suitable fixing material will be provided by the Secretariat on-site. Please make sure to mount your poster on the poster board with the number corresponding to the number assigned to your poster (sent recently via e-mail). Please remove your poster by Thursday, 10 September, 15:00.

Poster authors are required to be present during the dedicated poster session to answer questions from delegates in Terrace Hall 2A + 2B.

- **Monday, 7 September 2026, 13:00-14:00 - ODD POSTER NUMBERS (P 001, P 003, P 005, ...)**
- **Tuesday, 8 September 2026, 13:00-14:00 - EVEN POSTER NUMBERS (P 002, P 004, P 006, ...)**

BEST POSTER AWARDS

The posters will be evaluated by the international panel of reviewers. The 16 best posters will be nominated for the Best Poster Award. The nominees will be notified and invited to attend the poster session on Wednesday, 9 September, 13:00-14:00, for the second evaluation round. The Best Poster Award winners will be announced before the Closing ceremony on Thursday, 10 September, 14:00-14:30.

CONFERENCE APP

Download the ISC 2026 app by scanning the QR code below or using the links provided.



SCIENTIFIC PROGRAM

SATURDAY, 5 SEPTEMBER 2026

Time	Club A	Club B
09:30–11:00	Short Course 1: Modern HPLC separation in theory and practice Short course speakers: Lucie Nováková — Charles University, Hradec Kralove, Czech Republic Jiří Urban — Masaryk University, Brno, Czech Republic Petr Česla — University of Pardubice, Pardubice, Czech Republic Michal Douša — Zentiva, Prague, Czech Republic	Short Course 2: mzmine for LC-MS data analysis - From raw data to feature table using the mwizard Short course speaker: Steffen Heuckeroth — mzio, Bremen, Germany
11:00–11:30	Coffee break Foyer	
11:30–13:00	Short Course 1: Modern HPLC separation in theory and practice Short course speakers: Lucie Nováková — Charles University, Hradec Kralove, Czech Republic Jiří Urban — Masaryk University, Brno, Czech Republic Petr Česla — University of Pardubice, Pardubice, Czech Republic Michal Douša — Zentiva, Prague, Czech Republic	Short Course 2: mzmine for LC-MS data analysis - From raw data to feature table using the mwizard Short course speaker: Steffen Heuckeroth — mzio, Bremen, Germany
13:00–14:00	Lunch break (light lunch) Foyer	
14:00–15:30	Short Course 1: Modern HPLC separation in theory and practice Short course speakers: Lucie Nováková — Charles University Jiří Urban — Masaryk University Petr Česla — University of Pardubice Michal Douša — Zentiva	Short Course 2: mzmine for LC-MS data analysis - From raw data to feature table using the mwizard Short course speaker: Steffen Heuckeroth — mzio, Bremen, Germany
15:30–16:00	Coffee break Foyer	
16:00–17:00	Short Course 1: Modern HPLC separation in theory and practice Short course speakers: Lucie Nováková — Charles University, Hradec Kralove, Czech Republic Jiří Urban — Masaryk University, Brno, Czech Republic Petr Česla — University of Pardubice, Pardubice, Czech Republic Michal Douša — Zentiva, Prague, Czech Republic	

SCIENTIFIC PROGRAM

SUNDAY, 6 SEPTEMBER 2026

Time	Club A	Club B	Club C	Forum Hall
08:30–11:45	Short Course 3: The analytical procedure lifecycle approach - From procedure design to performance assessment using AQbD principles Short course speakers: Amanda Guiraldelli — RIC group, Kortrijk, Belgium Jean-Marc Roussel — JM Roussel EI, MACON, France	Short Course 4: Interpretation of mass spectra - Basic introduction for chromatographers Short course speaker: Josef Cvačka — IOCB Prague, Prague, Czech Republic	Short Course 5: Hydrophilic interaction liquid chromatography Short course speaker: Davy Guillaume — University of Geneva, Geneva, Switzerland	
11:45–12:30	Lunch break (light lunch) Foyer			
12:30–15:45	Short Course 6: Oligonucleotides and other biopharmaceuticals Short course speakers: Koen Sandra — RIC group, Kortrijk, Belgium Amanda Guiraldelli — RIC group, Kortrijk, Belgium	Short Course 7: Statistical analysis and visualization of quantitative LC/MS data in R Short course speaker: Jakub Idkowiak — Laboratory of Lipid Metabolism and Cancer, Leuven Cancer Institute (LKI) and Leuven Institute for Single Cell Omics (LISCO), KU Leuven, Leuven, Belgium	Short Course 8: Supercritical fluids in chromatography and extraction Short course speakers: Isabelle François — Chromisa Scientific, Belgium Caroline West — University of Orleans, Orléans, France	
16:00–16:30				Opening Ceremony Chairs: Michal Holčápek — University of Pardubice, Pardubice, Czech Republic Lucie Nováková — Charles University, Hradec Kralove, Czech Republic
16:30–17:00				Award Ceremony 1 (J.F.K. Huber Medal, Introduction of the Pavel Jandera Award and the Best Poster Award) Chairs: Michal Holčápek — University of Pardubice, Pardubice, Czech Republic Lucie Nováková — Charles University, Hradec Kralove, Czech Republic

SCIENTIFIC PROGRAM
SUNDAY, 6 SEPTEMBER 2026

Time	Club A	Club B	Club C	Forum Hall
17:00–18:30				Plenary Session 1 Chairs: Michal Holčápek — University of Pardubice, Pardubice, Czech Republic Lucie Nováková — Charles University, Hradec Kralove, Czech Republic 17:00–17:30 · Plenary Spintronics: A new paradigm in digital bits Tomáš Jungwirth — Institute of Physics, Czech Academy of Sciences, Prague, Czech Republic 17:30–18:00 · Plenary Single cell proteomics requires robust LC-MS: Unexpected findings bring new biological understanding Jennifer Van Eyk — Cedars-Sinai Medical Center, Los Angeles, USA 18:00–18:30 · Plenary Rapid evaporative ionisation mass spectrometry: From MSI to LC-MS Zoltan Takats — Imperial College London, London, United Kingdom
18:30–20:00	Welcome Reception Foyer			

SCIENTIFIC PROGRAM

MONDAY, 7 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B	Club A
08:30–10:00	FUN 01: Advances in column technology Chairs: Bogusław Buszewski — Kujawsko-Pomorskie Centrum Naukowo-Technologiczne im. prof. Jana Czocharalskiego, Toruń, Poland František Švec — Faculty of Pharmacy, Charles University, Hradec Králové, Czech Republic 08:30–09:00 · Keynote Speaker An outlook on the future directions in chromatography column technology Gert Desmet — Vrije Universiteit Brussel, Brussels, Belgium 09:00–09:20 · Speaker To separate the inseparable: The magic of Repetto peak recycle technology in analytical an preparative HPLC Marek Minarik — Faculty of Science, Charles University, Prague, Czech Republic 09:20–09:40 · Speaker ☆ On the curvature of the van Deemter curve Bram Huygens — Vrije Universiteit Brussel, Brussels, Belgium 09:40–10:00 · Speaker Opportunities and constraints of sub-1 µm packing materials for next-generation chromatography columns Hanrong Wen — Vrije Universiteit Brussel, Brussels, Belgium	BIO 01: Proteomics Chairs: Christian G. Huber — University of Salzburg, Salzburg, Austria Ken Cook — Thermo Fisher Scientific, Hemel Hempstead, United Kingdom 08:30–09:00 · Keynote Speaker The In Vivo 3D Proteome John Yates — The Scripps Research Institute, LaJolla, USA 09:00–09:20 · Speaker Ensuring robustness in label-free quantitation: System suitability and quality control strategies for ultra-deep proteomics Angelo Lopez — VUB, Brussel, Belgium 09:20–09:40 · Speaker From chromatography to proteomics: Characterization of microflow LC columns for bottom-up proteomics Jiří Urban — Masaryk University, Brno, Czech Republic 09:40–10:00 · Speaker Propionic acid boosts sensitivity in analytical and microflow LC–MS of peptides Juraj Lenčo — Charles University Prague, Faculty of Pharmacy in Hradec Králové, Hradec Králové, Czech Republic	HYP 01: SFC/MS Chairs: Caroline West — University of Orleans, Orléans, France Jan Petr — Palacky University in Olomouc, Olomouc, Czech Republic 08:30–09:00 · Keynote Speaker Toward next-generation lipidomics: Comprehensive and quantitative lipidome analysis based on supercritical fluid chromatography/mass spectrometry Takeshi Bamba — The University of Osaka, Suita, Japan 09:00–09:20 · Speaker ☆ Analysis of total fatty acids by SFC/MS: Separation of omega-3 and omega-6, branched and hydroxy fatty acids Michaela Chocholouskova — DUKE-NUS Medical School, Singapore, Singapore 09:20–09:40 · Speaker Miniaturised solid phase extraction: Supercritical fluid chromatography tandem mass spectrometry workflow for high-throughput acidic phytohormone profiling Jitka Šírká — Palacký University Olomouc, Olomouc, Czech Republic 09:40–10:00 · Speaker Surrogate optimization for supercritical fluid extraction – supercritical fluid chromatography-tandem mass spectrometry method development Niray Bhakta — UT Arlington, Arlington, USA	
10:00–10:30	Coffee break Foyer			

SCIENTIFIC PROGRAM

MONDAY, 7 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B	Club A
10:30–12:00	FUN 02: Retention mechanisms of oligonucleotides Chairs: Torgny Fornstedt — Karlstad University, Karlstad, Sweden Attila Felinger — University of Pécs, Pécs, Hungary 10:30–11:00 · Keynote Speaker On the investigation of mass transfer phenomena of oligonucleotides: Challenges and novel approaches Deirdre Cabooter — KU Leuven, Leuven, Belgium 11:00–11:20 · Speaker Hybridization-based diastereomer separation of therapeutic small interfering RNA oligonucleotides using anion exchange chromatography under non-denaturing conditions Luca Tutiš — Vrije Universiteit Amsterdam, Amsterdam, Netherlands 11:20–11:40 · Speaker Advancing liquid chromatography approaches for siRNA diastereomer analysis: From method development to application Lucy Durham — AstraZeneca, Macclesfield, United Kingdom 11:40–12:00 · Speaker Analysis of N-acetylgalactosamine conjugated oligonucleotide therapeutics using 2D LC-MS Jessica Dale — University of Sheffield, Sheffield, United Kingdom	BIO 02: Green chemistry and environmental analysis Chairs: Ana M. Garcia-Campaña — University of Granada, Granada, Spain Giorgia Purcaro — University of Liège, Gembloux, Belgium 10:30–11:00 · Keynote Speaker Facilitating miniaturization and integration toward sustainable analytical chemistry Janusz Pawliszyn — University of Waterloo, Waterloo, Canada 11:00–11:20 · Invited Speaker Unmasking hazardous compounds: Fastest, greenest, and most orthogonally hyphenated Gertrud Morlock — Justus Liebig University Giessen, Giessen, Germany 11:20–11:40 · Speaker ☆ Sensitivity and performance evaluation of online two-dimensional liquid chromatography modes for the analysis of organic micropollutants in the environment Marie Pardon — KU Leuven, Leuven, Belgium 11:40–12:00 · Speaker Application of green solvents in RP LC in the search for sustainability, improved performance, and orthogonal selectivity Oktawia Kalisz — Nicolaus Copernicus University in Toruń, Toruń, Poland	HYP 02: Electro-driven separations coupled with MS Chairs: Petr Bednář — Palacký University Olomouc, Faculty of Science, Olomouc, Czech Republic Susanne Wiedmer — University of Helsinki, Helsinki, Finland 10:30–11:00 · Keynote Speaker Comprehensive nanoLCxCE-MS for the analysis of proteoform families Christian Neusüß — Aalen University, Aalen, Germany 11:00–11:20 · Invited Speaker Capillary electrophoresis for quantitative analysis of proteins in pharmaceutical and biomedical samples Katarína Maráková — Faculty of Pharmacy, Comenius University Bratislava, Bratislava, Slovakia 11:20–11:40 · Speaker Analysis of nanoobjects by CE-ICP-MS and CE-ESI-MS Jan Petr — Palacký University in Olomouc, Olomouc, Czech Republic 11:40–12:00 · Speaker 3D printed gel electrophoresis coupling with ICP-MS for metallomics research Ligang Hu — Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing, China	
12:00–14:30	Lunch break · Exhibition Poster Session (odd poster numbers) 13:00–14:00 Foyer Terrace Hall 2A + 2B			

SCIENTIFIC PROGRAM

MONDAY, 7 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B	Club A
13:00–14:00		Avantor vendor seminar - Stationary phase selectivity: A powerful tool for challenging separations Industry speaker: Matt James — Avantor, Reading, United Kingdom	Shimadzu vendor seminar - Three new reasons to rethink your workflow Industry speakers: Gesa Schad — Shimadzu Europa GmbH, Duisburg, Germany Waldemar Weber — Shimadzu Europa GmbH, Duisburg, Germany	
14:30–16:00	FUN 03: Multidimensional separations Chairs: Peter Schoenmakers — University of Amsterdam, Amsterdam, Netherlands Natasha Damiana Spadafora — University of Ferrara, Ferrara, Italy 14:30–15:00 · Keynote Speaker Recent advances in 2D-LC separations: Instrumentation, oligonucleotides, and surfactants Dwight Stoll — Gustavus Adolphus College, Saint Peter, USA 15:00–15:20 · Speaker Two-dimensional AEX — IP-RPLC: New insights on mRNA integrity and encapsulation efficiency of mRNA-lipid nanoparticle formulations Megane Aebischer — University of Geneva, Geneva, Switzerland 15:20–15:40 · Speaker ☆ A robust multi-criteria framework for the rational selection of orthogonal separation conditions in comprehensive two-dimensional liquid chromatography Soraya Chapel — CNRS, Mont-Saint-Aignan, France 15:40–16:00 · Speaker A new approach to numerical optimization of gradient separation conditions in comprehensive two-dimensional liquid chromatography Petr Cesla — University of Pardubice, Pardubice, Czech Republic	BIO 03: Data processing in LC/MS metabolomics Chairs: Guowang Xu — Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian, China Peter Meikle — Baker Heart and Diabetes Institute, Metabolomics Laboratory, Melbourne, Australia 14:30–15:00 · Keynote Speaker The DreaMS and MassSpecGym ecosystem for the discovery of metabolites from mass spectra Tomáš Pluskal — IOCB Prague, Prague 6, Czech Republic 15:00–15:20 · Speaker From raw LC-HRMS data to biomarkers: Workflow and critical steps for untargeted metabolomics profiling Luisa Barreiros — LAQV, REQUIMTE, Department of Chemical Sciences, Faculty of Pharmacy, University of Porto, Porto, Portugal 15:20–15:40 · Speaker Metabolomics-guided discovery of bioactive metabolites from environmental and human-associated Streptomyces Taťána Gazáriková — Institute of Microbiology of the Czech Academy of Sciences, Prague 4, Czech Republic 15:40–16:00 · Speaker Overcoming current limitations in industrial citrus debittering: Non-thermal processing of cloudy orange juice validated by Orbitrap metabolomics and molecular networking Araceli Rivera-Pérez — University of Almería/Granada, Almería, Spain	HYP 03: Ionization techniques in GC/MS and LC/MS Chair: André de Villiers — Stellenbosch University, Stellenbosch, South Africa 14:30–15:00 · Keynote Speaker Coupling LCxLC and GC with SLIM-qTOF-MS for a powerful orthogonal two-dimensional separation of complex samples Oliver Schmitz — University of Duisburg-Essen, Essen, Germany 15:00–15:20 · Speaker GC×GC-MS with modern ionisation techniques for the analysis of sustainable aviation fuels Sebastian Löbbbecke — Universität Duisburg-Essen, Essen, Germany 15:20–15:40 · Speaker Usage of the Century Mix for the comparison of GC-EI-HRMS versus GC-SICRIT-HRMS Clément De Saint Jores — Université d'Orléans, Orléans, France 15:40–16:00 · Speaker Complementary ionization strategies in LC-MS: A comparative study of ESI and DBDI in complex biological samples Christina Brenner — University of Vienna, Vienna, Austria	

SCIENTIFIC PROGRAM

MONDAY, 7 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B	Club A
16:00–16:30	Coffee break Foyer			
16:30	FUN TY 01: Chromatographic columns and stationary phases Chairs: Ken Broeckhoven — Vrije Universiteit Brussel, Brussels, Belgium Petr Cesla — University of Pardubice, Pardubice, Czech Republic 16:30–17:15 · Tutorial Modern stationary phases and column technologies for liquid chromatography Michael Lämmerhofer — University of Tuebingen, Tuebingen, Germany 17:15–17:30 · Short oral Enhanced liquid chromatography utilizing acoustic streaming-induced lateral flow Elahe Naghdi — Vrije Universiteit Brussel, Brussels, Belgium 17:30–17:45 · Short oral Identification of mobile and stationary phase contributions to the plate height in randomly packed chromatographic media Ali Moussa — Vrije Universiteit Brussel, Brussels, Belgium 17:45–18:00 · Short oral Morphology tuning of polymer monolith columns for biomolecules: Considerations and guidelines Daniel Papp — Vrije Universiteit Brussel, Brussels, Belgium	BIO TY 01: Biopharmaceuticals Chairs: Amanda Guiraldehli — RIC group, Kortrijk, Belgium Jonathan Maurer — University of Geneva, Geneva, Switzerland 16:30–17:15 · Tutorial Bioinert LC separations Martin Gilar — Waters Corporation, Milford, USA 17:15–17:30 · Short oral Advancing drug discovery of covalent kinase inhibitors with liquid chromatography and electron-activated-dissociation mass spectrometry Benedikt Masberg — University of Tübingen, Tübingen, Germany 17:30–17:45 · Short oral Hydrophobic interaction chromatography developments for ADCs: Tunable selectivity and MS-friendly methods Jonas Wege — Tosoh Bioscience GmbH, Griesheim, Germany 17:45–18:00 · Short oral From clinical studies to commercial products: Universal chromatographic solutions and global regulatory requirements for excipient analytics in protein and CGT biotherapeutics Jeroen De Keijzer — Johnson & Johnson Innovative Medicine, Leiden, Netherlands	HYP TY 01: LC/MS of small molecules Chairs: Michaela Chocholouskova — DUKE-NUS Medical School, Singapore, Singapore Hanne Røberg-Larsen — University of Oslo, Oslo, Norway 16:30–17:15 · Tutorial LC-MS tutorial: Which analytes are in my samples and what are their amounts? Gérard Hopfgartner — University of Geneva, Geneva 4, Switzerland 17:15–17:30 · Short oral A unified theory and framework for diagnosing and mitigating matrix effects in quantitative LC-MS Ivan Petrik — Palacky University in Olomouc and IEB ASCR, Olomouc, Czech Republic 17:30–17:45 · Short oral High-throughput RP-UHPLC/MS/MS profiling of derivatized free sterol and tocopherols in statin therapy Yasmin Kadyrbekova — University of Pardubice, Pardubice, Czech Republic 17:45–18:00 · Short oral Assessment of occupational pesticide exposure using dermal washing and biomonitoring approaches utilizing LC-MS/MS Summaiya Alam Lari — ICMR - National Institute of Nutrition, Hyderabad, India	Activity 1: Discussion session - Industry & education Moderators: Tony Edge — The Chromatographic Society, Salisbury, United Kingdom Deirdre Cabooter — KU Leuven, Leuven, Belgium Panelists: Gesa Schäd — Shimadzu Europa GmbH, Duisburg, Germany Alexandre Grand-Guillaume-Perrenoud — Novartis Pharma AG, Basel, Switzerland Jelle De Vos — RIC Group Davy Guillaume — University of Geneva, Geneva, Switzerland Caterina Temporini — University of Pavia, Pavia, Italy
18:00–19:00				Activity 2: Career presentation Co-hosts: Adrian Clarke — Novartis Pharma AG, Basel, Switzerland Caterina Temporini — University of Pavia, Pavia, Italy Panelists: Ruben T'kindt — RIC Group, Kortrijk, Belgium Brigitte Bollig — Shimadzu Europa GmbH, Duisburg, Germany Frank Van Geel — The Analytical Scientist, Amsterdam, Netherlands

SCIENTIFIC PROGRAM

TUESDAY, 8 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B	Club A
08:30–10:00	FUN 04: Advances in stationary phases Chairs: Gert Desmet — Vrije Universiteit Brussel, Brussels, Belgium Deirdre Cabooter — KU Leuven, Leuven, Belgium 08:30–09:00 · Keynote Speaker Non-porous nanoparticle columns for ultra-high-performance LC Ken Broeckhoven — Vrije Universiteit Brussel, Brussels, Belgium 09:00–09:20 · Speaker MOF-based liquid chromatography: A new platform for polymer separation and purification Nobuhiko Hosono — The University of Tokyo, Tokyo, Japan 09:20–09:40 · Speaker Governing selectivity in HILIC and mixed-mode column technology Alla Chernobrovkina — Lomonosov Moscow State University, Moscow, Russian Federation 09:40–10:00 · Speaker Boosting polar resolution: Zwitterionic HILIC meets superficially porous particles Petra Lewits — Merck Life Sciences KGaA, Darmstadt, Germany	BIO 04: Analysis of food and natural products Chairs: Gertrud Morlock — Justus Liebig University Giessen, Giessen, Germany Valérie Pichon — ESPCI Paris, Paris, France 08:30–09:00 · Keynote Speaker Comprehensive chemical characterization and neuroprotective evaluation of green extracts obtained from different natural matrices Alejandro Cifuentes — CSIC, Madrid, Spain 09:00–09:20 · Invited Speaker Liquid chromatography strategies for metabolomic profiling and preparative purification of metabolites from complex plant matrices Natasha Damiana Spadafora — University of Ferrara, Ferrara, Italy 09:20–09:40 · Speaker Chemical fingerprinting of shea kernels: Quality, antioxidants and health benefits Nikoline Juul Nielsen — University of Copenhagen, Frederiksberg C, Denmark 09:40–10:00 · Speaker From rapid to high-resolution separation of carbohydrates Jean-Pierre Chervet — Antec Scientific, Alphen a/d Rijn, Netherlands	HYP 04: Ion mobility and multidimensional separation approaches Chairs: Gérard Hopfgartner — University of Geneva, Geneva, Switzerland Danila La Gioia — University of Salerno, Salerno, Italy 08:30–09:00 · Keynote Speaker Rapid high-dimensional phenomics using LC-ion mobility-MS John McLean — Vanderbilt University, Nashville, USA 09:00–09:20 · Invited Speaker Unravelling tannin complexity using 2D-LC, ion mobility spectrometry and high resolution MS André de Villiers — Stellenbosch University, Stellenbosch, South Africa 09:20–09:40 · Speaker Design and optimization the interface of gas chromatography and photoionization ion mobility spectrometry aided by multi-physics field dynamic convolution Haiyang Li — Dalian Institute of Chemical Physics, CAS, Dalian, China 09:40–10:00 · Speaker Multidimensional chromatography and LC-HRMS for non-target screening of environmental contaminants: Strategies for quantification, prioritization, and identification Jan H Christensen — University of Copenhagen, Copenhagen, Capital Region of Denmark, Denmark	
10:00–10:30	Coffee break Foyer			

SCIENTIFIC PROGRAM

TUESDAY, 8 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B	Club A
10:30–12:00	FUN 05: Separations with supercritical and subcritical fluids Chairs: Isabelle François — Chromisa Scientific, Belgium Kateřina Plachká — Charles University, Faculty of Pharmacy, Hradec Králové, Czech Republic 10:30–11:00 · Keynote Speaker One fluid, many molecules: Expanding SFC across the chemical space of natural products Caroline West — University of Orleans, Orléans, France 11:00–11:20 · Speaker From molecular structure to SFC Selectivity: AI-guided mapping of Retention mechanisms Jean Christophe Garrigues — CNRS - Toulouse University, Toulouse, France 11:20–11:40 · Speaker Comprehensive SFC and NPLC chiral screening and optimization of tacrine-based metabolites: A step toward a safe, highly active drug Ondřej Horáček — Charles University, Hradec Králové, Czech Republic 11:40–12:00 · Speaker Accelerating forensic analysis: A rapid SFC-MS workflow for novel regioisomeric fluorofentanyl derivatives and related compounds Jennifer Field — Shimadzu UK, Milton Keynes, United Kingdom	BIO 05: Metabolomics Chairs: Michael Lämmerhofer — University of Tuebingen, Tuebingen, Germany Tomáš Pluskal — IOCB Prague, Prague 6, Czech Republic 10:30–11:00 · Keynote Speaker From metabolomics to exposomics: Examining health from small molecules based on liquid chromatography-mass spectrometry Guowang Xu — Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian, China 11:00–11:20 · Speaker Exploring targeted polar metabolomics by Porous Graphitic Carbon (PGC)-based LC-HRMS: A class-focused comparison with HILIC and C18 approaches Danila La Gioia — University of Salerno, Fisciano, Salerno, Italy 11:20–11:40 · Speaker Towards plant pan-metabolome: Metabolic diversity of 3000 plant species Markéta Macho — Max Planck Institute of Molecular Plant Physiology, Potsdam, Germany 11:40–12:00 · Speaker Tracing microbial rosmarinic acid metabolism in a colon model applying a validated UHPLC-qTOF method and 13C-labelling Laura Falk — University of Bonn, Bonn, Germany	HYP 05: Clinical analysis Chairs: Mario Thevis — German Sport University Cologne, Cologne, Germany Steven R. H. Wilson — University of Oslo, Oslo, Norway 10:30–11:00 · Keynote Speaker Enantioselective and multi-dimensional HPLC analysis of amino acids and related compounds for the screening of novel biomarkers and functional molecules Kenji Hamase — Kyushu University, Fukuoka, Japan 11:00–11:20 · Speaker ☆ From organoids to exposure markers: LC-MS approaches for PFAS-related health effects Hanne Røberg-Larsen — University of Oslo, Oslo, Norway 11:20–11:40 · Speaker Comprehensive plasma lipidomics by RP-UHPLC-MS/MS reveals lipid alterations in paediatric cancers Laiyu Zhao — University of Pardubice, Pardubice, Czech Republic 11:40–12:00 · Speaker Gut microbiota-mediated transformation of bisphenol pollutants and associated metabolic disruptions Guangbo Qu — Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing, China	
12:00–14:30	Lunch break · Exhibition Foyer	Poster Session (even poster numbers) 13:00–14:00 Terrace Hall 2A + 2B		

SCIENTIFIC PROGRAM

TUESDAY, 8 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B	Club A
12:30–14:00				Activity 3: Job Fair Organizer: Adrian Clarke — Novartis Pharma AG, Basel, Switzerland
13:00–14:00	Restek vendor seminar - Virtual chromatographic modelling software for optimising separation of isobaric compounds in GC-MS methods Industry speakers: Sebastian Prisacariu — Restek, Bucks, United Kingdom Anna Pulte — Restek, Bad Homburg, Germany	Thermo Fisher Scientific vendor seminar - ASOs, ADCs, and other therapeutics: Advanced characterization with novel reversed-phase columns and integrated LC-MS platform Industry speakers: Sukhdev Bangar — Thermo Fisher Scientific, Hemel Hempstead, United Kingdom Sara Canillo — National Institute for Bioprocessing Research and Training, Blackrock, Ireland	Advanced Materials Technology vendor seminar - Advantages of superficially porous particle columns for HPLC and LC-MS Industry speaker: Stephanie Schuster — Advanced Materials Technology, Wilmington, USA	

SCIENTIFIC PROGRAM

TUESDAY, 8 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B	Club A
14:30–16:00	FUN 06: Chiral separations Chairs: Bezhn Chankvetadze — Iv. Javakhishvili Tbilisi State University, Tbilisi, Georgia Katarína Maráková — Faculty of Pharmacy, Comenius University Bratislava, Bratislava, Slovakia 14:30–15:00 · Keynote Speaker Enantiomers and other isomers in bioanalytical applications: Still an analytical challenge? Michael Lämmerhofer — University of Tuebingen, Tuebingen, Germany 15:00–15:20 · Speaker Elucidating molecular interactions governing enantioselectivity in polysaccharide-based chiral HPLC using descriptor-guided AI analysis Carlos Pardo-Cortina — Universitat de València, Valencia, Spain 15:20–15:40 · Speaker Revealing the chirality of boron clusters: New chemical entities in drug development Radim Kucera — Charles University, Faculty of Pharmacy, Hradec Králové, Czech Republic 15:40–16:00 · Speaker Combining per-aqueous and chiral reversed-phase separation modes towards a comprehensive two-dimensional LC platform for amino acid analysis José Meneses — Ghent University, Ghent, Belgium	BIO 06: Lipidomics Chairs: Takeshi Bamba — The University of Osaka, Suita, Japan Josef Cvačka — IOCB Prague, Prague, Czech Republic 14:30–15:00 · Keynote Speaker Clinical lipidomics for precision cardiovascular risk prediction: Development of the L.G.CVD Risk score and translation to a high-throughput clinical platform Peter Meikle — Baker Heart and Diabetes Institute, Metabolomics Laboratory, Melbourne, Australia 15:00–15:20 · Speaker Lipid alterations across six PDAC-related cohorts characterized by targeted RP-UHPLC/MS/MS Zuzana Lásko — University of Pardubice, Pardubice, Czech Republic 15:20–15:40 · Speaker ☆ Toward low-input lipidomics: A microbore RP-UHPLC-4D-TIMS strategy for organoids analysis Fabrizio Merciai — University of Salerno, Salerno, Italy 15:40–16:00 · Speaker Benzoyl chloride derivatization enhances separation and quantitation of multiple lipid classes Ondřej Peterka — University of Pardubice, Pardubice, Czech Republic	HYP 06: Microfluidic and chip-based separations in MS Chairs: František Foret — Czech Academy of Sciences-Institute of Analytical Chemistry, Brno, Czech Republic Christian Neusüß — Aalen University, Aalen, Germany 14:30–15:00 · Keynote Speaker Best of both worlds: Modular microfluidics for micro-separation-mass spectrometry coupling Detlev Belder — Leipzig University, Leipzig, Germany 15:00–15:20 · Speaker Study of the analytical performance of ultra-miniaturized preconcentrators based on MEMS technology for the analysis of planetary samples Lylia Skander — LATMOS, Guyancourt, France 15:20–15:40 · Speaker ☆ Bridging mass spectrometry and SERS via microfluidics: A step toward integrated peptide characterization Jakub Novotný — Institute of Analytical Chemistry of the Czech Academy of Sciences, v.v.i., Brno, Czech Republic 15:40–16:00 · Speaker Application of 3D printing in environmental analysis Dingyi Wang — Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing, China	
16:00–16:30	Coffee break Foyer			

SCIENTIFIC PROGRAM

TUESDAY, 8 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B	Club A
16:30–18:00	FUN TY 02: Technological innovations in chromatography Chairs: Jiří Urban — Masaryk University, Brno, Czech Republic Bram Huygens — Vrije Universiteit Brussel, Brussels, Belgium 16:30–17:15 · Tutorial The great (separation) power of two-dimensional liquid chromatography Peter Schoenmakers — University of Amsterdam, Amsterdam, Netherlands 17:15–17:30 · Short oral MEMS column for space missions: Design optimization of fluidic interface and column inlet-outlet geometry to combine test reliability and maximum efficiency Malak Bigourd — LATMOS/IPSL, UVSQ Université Paris-Saclay, Sorbonne Université, CNRS, Guyancourt, France, Guyancourt, France 17:30–17:45 · Short oral In silico optimization of two-dimensional liquid chromatography in proteomics Kateřina Hrušová — Masaryk University, Brno, Czech Republic 17:45–18:00 · Short oral Molecular dynamics simulations of mixed-mode chromatography: Generation and solvation of a reversed-phase/anion-exchange stationary phase Daniel Frerichs — Philipps-Universität Marburg, Marburg, Germany	BIO TY 02: Chromatographic methods in bioanalysis Chairs: Petr Chocholouš — Charles University, Faculty of Pharmacy in Hradec Králové, Hradec Králové, Czech Republic Marie Pardon — KU Leuven, Leuven, Belgium 16:30–17:15 · Tutorial Enantioseparations in high-performance liquid chromatography Bezhán Chankvetadze — Iv. Javakishvili Tbilisi State University, Tbilisi, Georgia 17:15–17:30 · Short oral Ion-pair-free HILIC-HRMS/MS for multi-level characterization of intact modified oligonucleotides Khaoula Adouairi — University of Lyon, Institute of Analytical Sciences, Villeurbanne, France 17:30–17:45 · Short oral Green solvent alternatives for RP-HPLC-PDA-MS analysis of polyphenols in natural products Carmelo Coppolino — University of Messina, Messina, Italy 17:45–18:00 · Short oral Development and validation of UHPLC methods for melamine detection and aerobic biodegradability assessment in wastewater Haniyeh Aghakhanlou — wood-k plus, Vienna, Austria	HYP TY 02: Hyphenated techniques Chairs: Ondřej Peterka — University of Pardubice, Pardubice, Czech Republic Fabrizio Merciai — University of Salerno, Salerno, Italy 16:30–17:15 · Tutorial Bridging the gap: Interfacing electro-driven and microfluidic separations with mass spectrometry Jorg P. Kutter — University of Copenhagen, Copenhagen, Denmark 17:15–17:30 · Short oral Seeing more in TLC: How multichannel detection improves complex mixture analysis Łukasz Pieszczyk — University of Silesia in Katowice, Katowice, Poland 17:30–17:45 · Short oral A multicomponent MAE-SPE-HPLC-MS/MS workflow for the analysis of contaminants in sediments and microplastics Janina Heim — KNAUER Wissenschaftliche Geräte GmbH, Marisfeld, Germany 17:45–18:00 · Short oral Towards circular wind energy: Sample preparation strategies in combination with GC×GC-TOFMS for the characterization of wind turbine blade recycling products Giulia Giacompo — University of Ferrara, Ferrara, Italy	Activity 4: Discussion session: Artificial Intelligence in separation science - From concept to practice Moderator: Bob W.J. Pirok — University of Amsterdam, Amsterdam, Netherlands Panelists: Guowang Xu — Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian, China John McLean — Vanderbilt University, Nashville, USA Leon Niezen — Vrije Universiteit Brussel, Brussels, Belgium Christian G. Huber — University of Salzburg, Salzburg, Austria Dwight Stoll — Gustavus Adolphus College, Saint Peter, USA Shimadzu representative
18:00–19:30	ISC Tube & Quiz Chairs: Lucie Nováková — Charles University, Hradec Králové, Czech Republic Jiří Urban — Masaryk University, Brno, Czech Republic			

SCIENTIFIC PROGRAM

WEDNESDAY, 9 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B	Club A
08:30–10:00	FUN 07: Separation mechanisms and structural effects Chairs: Bob W.J. Pirok — University of Amsterdam, Amsterdam, Netherlands Sam Wouters — Johnson and Johnson, Beerse, Belgium 08:30–09:00 · Keynote Speaker Opportunities and possibilities of slalom chromatography in cell and gene therapy Fabrice Griitti — Waters Corporation, MILFORD, USA 09:00–09:20 · Invited Speaker From peak shape distortions to integration errors: Mechanisms, limits of manual integration, and a new path for QC Torgny Fornstedt — Karlstad University, Karlstad, Sweden 09:20–09:40 · Speaker Effect of buffer salt and pH in mobile phases, column nature, and residual silanol on retention and selectivity on HILIC characterization scheme Tohru Ikegami — Kyoto Institute of Technology, Kyoto, Japan 09:40–10:00 · Speaker Separation of structurally related bioactive phenolic acids from blackcurrant leaf extract using human serum albumin biomimetic chromatography Vladimir Vlatković — Institute of Physics, Belgrade, Serbia	BIO 07: (Bio)pharmaceuticals Chairs: Frederic Lynen — Ghent University, Ghent, Belgium Hailin Wang — Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing, China 08:30–09:00 · Keynote Speaker Next-generation chromatographic approaches for oligonucleotide analysis Davy Guillaume — University of Geneva, Geneva, Switzerland 09:00–09:20 · Speaker Towards a smart toolbox for PROTACS separations: Learnings from pharmaceutical development experience Astrid Buica — AstraZeneca, Gothenburg, Sweden 09:20–09:40 · Speaker Putting a cap on complexity: mRNA capping analysis by IP-RPLC-UV Jonathan Maurer — University of Geneva, Geneva, Switzerland 09:40–10:00 · Speaker Comprehensive LC×LC with skin-mimicking stationary phases for dermal permeability assessment of pharmaceutical and toxicologically relevant compounds Giacomo Russo — Edinburgh Napier University, Edinburgh, United Kingdom	HYP 07: Separation coupled with high-resolution MS Chairs: John McLean — Vanderbilt University, Nashville, USA Robert Jirásko — University of Pardubice, Pardubice, Czech Republic 08:30–09:00 · Keynote Speaker Separation with high-resolution MS for proteomics Roman Zubarev — Karolinska Institutet, Solna, Sweden 09:00–09:20 · Invited Speaker Multidimensional mass spectrometric and liquid separation approaches for the general screening of low molecular weight compounds and lipids Gérard Hopfgartner — University of Geneva, Geneva 4, Switzerland 09:20–09:40 · Speaker ☆ Online chemical labeling for functional group discovery in complex mixtures Christian Geibel — University of Tuebingen, Tuebingen, Germany 09:40–10:00 · Speaker Development of an LC-HRMS based workflow for characterizing leachates from polymer auxiliary components in fuel cells Louis Genain — Laboratory of Analytical and Bioanalytical Sciences and Miniaturization, UMR 8231 Chemistry, Biology and Innovation, CNRS, Paris, France	
10:00–10:30	Coffee break Foyer			

SCIENTIFIC PROGRAM

WEDNESDAY, 9 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B	Club A
10:30–12:00	FUN 08: Separation modes Chairs: Fabrice Gritti — Waters Corporation, MILFORD, USA Dwight Stoll — Gustavus Adolphus College, Saint Peter, USA 10:30–11:00 · Keynote Speaker The power of modeling to understand retention and selectivity in HPLC Attila Felinger — University of Pécs, Pécs, Hungary 11:00–11:20 · Speaker Investigation of the applicability of dimethyl carbonate as a green solvent in liquid chromatography Rebecca Gibkes — Vrije Universiteit Brussel, Brussel, Belgium 11:20–11:40 · Speaker A flexible gradient score approach for targeted LC-MS/MS method optimization Michal Kašpar — University of Pardubice, Pardubice, Czech Republic 11:40–12:00 · Speaker Perfusion chromatography enables highly efficient separation of oligonucleotide biotherapeutics at ultra-high velocities Daniel Meston — Agilent Technologies, Church Stretton, United Kingdom	BIO 08: Sample preparation and automation Chairs: Adam T. Woolley — Brigham Young University, Provo, USA Janusz Pawliszyn — University of Waterloo, Waterloo, Canada 10:30–11:00 · Keynote Speaker Optimising the extraction process of oligonucleotides by SPE Tony Edge — The Chromatographic Society, Salisbury, United Kingdom 11:00–11:20 · Invited Speaker The microbiome as a source of information about environmental and biological samples Bogusław Buszewski — Kujawsko-Pomorskie Centrum Naukowo-Technologiczne im. prof. Jana Czocharalskiego, Toruń, Poland 11:20–11:40 · Speaker Design of a portable sensor event-driven open-column chromatographic sample preparation system Jong-Kwang Lee — Korea Atomic Energy Research Institute, Daejeon, Republic of Korea 11:40–12:00 · Speaker The silica-based sorbents for the mixed-mode extraction of risdiplam and its metabolite from serum samples Natalia Balińska — Nicolaus Copernicus University, Toruń, Poland	HYP 08: Separation - MS of large biomolecules Chairs: Jean-Marc Roussel — JM Roussel EI, MACON, France Adrian Clarke — Novartis Pharma AG, Basel, Switzerland 10:30–11:00 · Keynote Speaker Advanced hyphenated and multidimensional techniques in biopharmaceutical analysis Koen Sandra — RIC group, Kortrijk, Belgium 11:00–11:20 · Speaker New developments in RP- and HILIC-HRMS for intact hCG glycoform characterization Nathalie Delaunay — ESPCI, Paris, France 11:20–11:40 · Speaker Analytical tools addressing heterogeneity challenges in therapeutic polyclonal antibodies Caterina Temporini — University of Pavia, Pavia, Italy 11:40–12:00 · Speaker Practical aspects and advantages of coupling ion exchange chromatography to mass spectrometry for biotherapeutic analysis Ken Cook — Thermo Fisher Scientific, Hemel Hempstead, United Kingdom	
12:00–14:30	Lunch break - Exhibition Foyer	Poster Session (Best Poster Award nominees) 13:00-14:00 Foyer		

SCIENTIFIC PROGRAM
WEDNESDAY, 9 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B	Club A
12:30–14:00			Publishing Workshop Journal of Separation Science and Separation Science Plus Michael Lämmerhofer — University of Tuebingen, Tuebingen, Germany Analytical Science Advances Sebastiaan Eeltink — Vrije Universiteit Brussel, Brussels, Belgium Drug Testing & Analysis Mario Thevis — German Sport University Cologne, Cologne, Germany Wiley Eva-Stina Merkel — Wiley, Weinheim, Germany	

SCIENTIFIC PROGRAM

WEDNESDAY, 9 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B	Club A
14:30–16:00	FUN 09: Electromigration techniques Chairs: Jorg P. Kutter — University of Copenhagen, Copenhagen, Denmark Václav Kašíčka — Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague, Czech Republic 14:30–15:00 · Keynote Speaker Exploring liposomes and lipid vesicles for use in capillary electromigration techniques Susanne Wiedmer — University of Helsinki, Helsinki, Finland 15:00–15:20 · Invited Speaker Epitachophoresis: From concept to commercialization František Foret — Czech Academy of Sciences-Institute of Analytical Chemistry, Brno, Czech Republic 15:20–15:40 · Speaker Towards reliable pH control in LC: Determining pK_a scales in methanol–water and acetonitrile–water by Internal Standard Capillary Electrophoresis Marti Roses — University of Barcelona, Barcelona, Spain 15:40–16:00 · Speaker Generic capillary electrophoresis methodology for quality control of histidine epimerization in therapeutic peptides Quentin Lorenzi — IBMM, Univ Montpellier, Montpellier, France	BIO 09: Nucleic acids and oligonucleotides Chairs: Davy Guillaume — University of Geneva, Geneva, Switzerland Koen Sandra — RIC group, Kortrijk, Belgium 14:30–15:00 · Keynote Speaker Separation matters: Advanced chromatographic approaches for impurity profiling of emerging oligonucleotide Sebastiaan Eelink — Vrije Universiteit Brussel, Brussels, Belgium 15:00–15:20 · Invited Speaker Capillary electrophoresis for separation and characterization of protein-DNA assemblies and condensates Hailin Wang — Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing, China 15:20–15:40 · Speaker Expanding the analytical toolbox: Denaturing ion-pair HILIC and RP approaches for impurity characterization of fatty acid-conjugated siRNAs Martina Lioi — Novartis Pharma AG, Basel, Switzerland 15:40–16:00 · Speaker Development of sample preparation methods for the extraction of therapeutic oligonucleotides from plasma and cerebrospinal fluid Sylvia Studzińska — Nicolaus Copernicus University in Toruń, Toruń, Poland	HYP 09: Novel hyphenation techniques Chairs: Alejandro Cifuentes — CSIC, Madrid, Spain Jakub Novotný — Institute of Analytical Chemistry of the Czech Academy of Sciences, v.v.i., Brno, Czech Republic 14:30–15:00 · Keynote Speaker Enhancing the robustness and sustainability of comprehensive LC×LC through aqueous first-dimension separation modes Frederic Lynen — Ghent University, Ghent, Belgium 15:00–15:20 · Speaker An application of flow programming to enable useful detection regimes in hyphenation of low-field NMR to 1-D HPLC Michael Pollard — Karlsruhe Institute of Technology, Karlsruhe, Germany 15:20–15:40 · Speaker Analysis of fatty acids in polysorbate 80 using High-Performance Liquid Chromatography (HPLC) with Charged Aerosol Detection (CAD) Margaret Maziarz — Waters Corporation, Milford, USA 15:40–16:00 · Speaker The evolution of HPLC-XRF: From early concept to latest developments and future potential Frederic Lynen — Ghent University, Ghent, Belgium	
16:00–16:30	Coffee break Foyer			

SCIENTIFIC PROGRAM

WEDNESDAY, 9 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B	Club A
16:30–18:00	FUN TY 03: Method development and optimization in chromatography Chairs: Marek Minarik — Faculty of Science, Charles University, Prague, Czech Republic Jean Christophe Garrigues — CNRS - Toulouse University, Toulouse, France 16:30–17:15 · Tutorial Monolithic columns: Why, how, and for what? František Švec — Faculty of Pharmacy, Charles University, Hradec Králové, Czech Republic 17:15–17:30 · Short oral Lowering the experimental burden: Improving the data efficiency of Bayesian optimization for unsupervised automated chromatography method development Gerben Van Henten — University of Amsterdam, Amsterdam, Netherlands 17:30–17:45 · Short oral A computational framework for accelerating LC–MS method development through simulation and retention scoring Sanne Boot — University of Amsterdam, Amsterdam, Netherlands 17:45–18:00 · Short oral Data-driven selection of liquid chromatography stationary phases for the separation of isomeric environmental contaminants in non-target screening Ruchun Chen — Stockholm University, Stockholm, Sweden	BIO TY 03: Analysis of proteins Chairs: Juraj Lenčo — Charles University Prague, Faculty of Pharmacy in Hradec Králové, Hradec Králové, Czech Republic Daniel Meston — Agilent Technologies, Church Stretton, United Kingdom 16:30–17:15 · Tutorial Separation, analysis and characterization of peptides and proteins by capillary electromigration methods Václav Kašička — Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague, Czech Republic 17:15–17:30 · Short oral Data-independent acquisition-based proteome and phosphoproteome profiling for the analytical investigation of Hypericum perforatum extract effects in melanoma cells Davide Barboni — University of Ferrara, Ferrara, Italy 17:30–17:45 · Short oral A novel LC column enables low-input proteomics Saša Vatić — Institute of Microbiology of the Academy of Sciences of the Czech Republic, Vestec, Prague, Czech Republic 17:45–18:00 · Short oral Impact of ion-pairing reagent on the behaviour of crosslinked peptides during LC-MS Andrew Michael — Czech Academy of Sciences, Prague, Czech Republic	HYP TY 03: Ion mobility and high-resolution MS Chairs: Christina Brenner — University of Vienna, Vienna, Austria Ondrej Novak — Institute of Experimental Botany of the Czech Academy of Sciences, Olomouc, Czech Republic 16:30–17:15 · Tutorial Advantages of incorporating ion mobility in LC-MS workflows – A practical guide to LC-IM-MS John McLean — Vanderbilt University, Nashville, USA 17:15–17:30 · Short oral From relative to absolute: Quantitative cancer metabolomics using bioinert HILIC and mixed-mode chromatography Alena Langová — University of Pardubice, Pardubice, Czech Republic 17:30–17:45 · Short oral Green stability-indicating LC method for etrasimod: BBD optimization and HRMS identification of novel degradation products Saniye Özcan — Anadolu University, Eskisehir, Turkey 17:45–18:00 · Short oral Advancements towards higher-throughput tissue sample preparation: Microsampling versus chemical biopsy using high-resolution mass spectrometry in porcine muscle tissue Helena Kim — University of Vienna, Vienna, Austria	Activity 5: Discussion session - Sustainability in separation science Moderators: Gertrud Morlock — Justus Liebig University Giessen, Giessen, Germany Isabelle François — Chromisa Scientific, Belgium Panelists: Ken Cook — Thermo Fisher Scientific, Hemel Hempstead, United Kingdom Andreas Otto — Agilent Technologies, Waldbronn Janusz Pawliszyn — University of Waterloo, Waterloo, Canada Giorgia Purcaro — University of Liège, Gembloux, Belgium Sebastian Rolle — Shimadzu Europe
19:00–24:00	Gala Dinner at National House Vinohrady	Venue: Náměstí Míru 9, 120 53 Prague 2		

SCIENTIFIC PROGRAM

THURSDAY, 10 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B
09:00–10:30	FUN 10: Artificial intelligence and machine-learning Chairs: Tony Edge — The Chromatographic Society, Salisbury, United Kingdom Sebastiaan Eeltink — Vrije Universiteit Brussel, Brussels, Belgium 09:00–09:30 · Keynote Speaker No regrets? Entropy-driven bayesian optimization for chromatography-informed 2D-LC method development Bob W.J. Pirok — University of Amsterdam, Amsterdam, Netherlands 09:30–09:50 · Invited Speaker Machine learning-assisted liquid chromatography-mass spectrometry analysis for the identification of new pollutants with toxic effects Guibin Jiang — Chinese Academy of Sciences, Beijing, China 09:50–10:10 · Speaker Uncertainty-driven model-based search methods for method development in liquid chromatography Leon Niezen — Vrije Universiteit Brussel, Brussel, Belgium 10:10–10:30 · Speaker Accelerating siRNA diastereomer method development: Automated chromatography with Bayesian optimisation Edward Ahearne — AstraZeneca, Macclesfield, United Kingdom	BIO 10: Forensics, doping control, and toxicology Chairs: Tohru Ikegami — Kyoto Institute of Technology, Kyoto, Japan Radim Kucera — Charles University, Faculty of Pharmacy, Hradec Kralove, Czech Republic 09:00–09:30 · Keynote Speaker Analytical approaches for the detection of emerging therapeutics and non-approved drugs in human sports drug testing Mario Thevis — German Sport University Cologne, Cologne, Germany 09:30–09:50 · Speaker GC×GC-MS/TOF analysis of the human scent on cartridge cases Ulrika Malá — University of Chemistry and Technology Prague, Prague, Czech Republic 09:50–10:10 · Speaker Chromatography as the gold standard in chemical warfare agents analysis: Operational experience, proficiency testing, and analytical challenges Jakub Milczarek — Organisation for the Prohibition of Chemical Weapons, The Hague, Netherlands 10:10–10:30 · Speaker Targeted HILIC-MS/MS for glutathione profiling: Method optimization and toxicological applications Miroslav Kubát — University of Pardubice, Pardubice, Czech Republic	HYP 10: LC/MS in bioanalysis Chairs: Kenji Hamase — Kyushu University, Fukuoka, Japan Taťána Gazárková — Institute of Microbiology of the Czech Academy of Sciences, Prague 4, Czech Republic 09:00–09:30 · Keynote Speaker Liquid chromatography, organoids and organ-on-a-chip: An update Steven R. H. Wilson — University of Oslo, Oslo, Norway 09:30–09:50 · Invited Speaker Aptamer-based affinity sorbents for the selective extraction of target molecules and ions from complex samples Valérie Pichon — ESPCI Paris, Paris, France 09:50–10:10 · Speaker Capillary-LC/ICP-MS for selective detection and quantification of fluorinated drugs and their metabolites Sam Wouters — Johnson and Johnson, Beerse, Belgium 10:10–10:30 · Speaker DoE-Optimized Green MEPS-UHPLC-MS/MS platform with data-driven internal standard selection for targeted intact peptide profiling in saliva Mariano De Cristofaro — University of Pisa, Pisa, Italy
10:30–11:00	Coffee break Foyer		

SCIENTIFIC PROGRAM

THURSDAY, 10 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B
11:00–12:30	FUN 11: 3D printing and miniaturization Chairs: Ondrej Horacek — Charles University, Hradec Králové, Czech Republic Martin Gilar — Milford, USA 11:00–11:30 · Keynote Speaker Microfluidic solid-phase extraction using 3D printed chromatography columns Adam T. Woolley — Brigham Young University, Provo, USA 11:30–11:50 · Speaker Contrasting high-end and low-cost 3D printing strategies for miniaturized HPLC Tobias Werres — Institut für Umwelt & Energie, Technik & Analytik e. V. (IUTA), Duisburg, Germany 11:50–12:10 · Speaker Towards LC with integrated sample preparation under 2kg David Jaime Cocovi Solberg — PalmChrom e.U., Vienna, Austria 12:10–12:30 · Speaker Adapting 3D printed polymers and surfaces for separation science Sinéad Currivan-Macdonald — Technological University Dublin, Dublin, Ireland	BIO 11: Glycoproteomics and glycolipidomics Chair: Jennifer Van Eyk — Cedars-Sinai Medical Center, Los Angeles, USA 11:00–11:30 · Keynote Speaker Glycoproteomics of single proteins using HPLC-MS profiling: How many glycoforms are there? Christian G. Huber — University of Salzburg, Salzburg, Austria 11:30–11:50 · Speaker Extraction and platform-dependent bias reshape the observed liver glycolipidome: Implications for lipidomics harmonization - A case study Constanza Fernández Hernández — CEU San Pablo University, Madrid, Spain 11:50–12:10 · Speaker Simultaneous mapping of peptides and released N-glycans by HILIC-FLD-MS for quality control of protein biopharmaceuticals Mykyta Starovoit — Charles University, Hradec Králové, Czech Republic 12:10–12:30 · Speaker Liquid chromatography-mass spectrometry for glycosphingolipid profiling in biological samples Veronika Subrtova — University of Pardubice, Pardubice, Czech Republic	HYP 11: GC/MS and GCxGC/MS Chair: Oliver Schmitz — University of Duisburg-Essen, Essen, Germany Sylvia Studzińska — Nicolaus Copernicus University in Torun, Poland 11:00–11:30 · Keynote Speaker Advancing food analysis through comprehensive two-dimensional gas chromatography Giorgia Purcaro — University of Liège, Gembloux, Belgium 11:30–11:50 · Speaker Combining GC-HRMS and GCxGC-HRMS for comprehensive analysis of breast skin volatiles during pregnancy Serena Reale — University of Pisa, Pisa, Italy 11:50–12:10 · Speaker GC-MS/MS in action: Unravelling hazardous substances within complex mixtures of waste-derived polymers Claudia Marchán-Moreno — Université de Normandie, Evreux, France 12:10–12:30 · Speaker Optimisation and comparative performance of sorptive headspace sampling systems for comprehensive VOC profiling in complex natural matrices by GC-MS Natasha Damiana Spadafora — University of Ferrara, Ferrara, Italy
12:30–13:30	Lunch break - Exhibition Foyer		
13:30–14:00	Plenary Session 2 Chairs: Michal Holčápek — University of Pardubice, Pardubice, Czech Republic Lucie Nováková — Charles University, Hradec Králové, Czech Republic 13:30–14:00 · Plenary Analytical approaches in chemical exposomics: From food safety to human biomonitoring Ana M. García-Campaña — University of Granada, Granada, Spain		

SCIENTIFIC PROGRAM

THURSDAY, 10 SEPTEMBER 2026

Time	Forum Hall	South Hall 2A	South Hall 2B
14:00–14:30	Award Ceremony 2 (Pavel Jandera Award, Best Poster Award) Chairs: Jiří Urban — Masaryk University, Brno, Czech Republic Petr Cesla — University of Pardubice, Pardubice, Czech Republic Kateřina Plachká — Charles University Faculty of Pharmacy, Hradec Králové, Czech Republic		
14:30–15:00	Closing Chairs: Michal Holčápek — University of Pardubice, Pardubice, Czech Republic Lucie Nováková — Charles University, Hradec Kralove, Czech Republic ISC 2028 Ana M. García-Campaña — University of Granada, Spain Jordi Díaz-Ferrero — IQS-Ramón Llull University, Spain		



PAVEL JANDERA AWARD



NOMINEES

- ★ **Sensitivity and performance evaluation of online two-dimensional liquid chromatography modes for the analysis of organic micropollutants in the environment**
Marie Pardon, KU Leuven, Belgium
7 September, 10:30 - 12:00, South Hall 2A
- ★ **On the curvature of the van Deemter curve**
Bram Huygens, Vrije Universiteit Brussel, Belgium
7 September, 08:30 - 10:00, Forum Hall
- ★ **Analysis of total fatty acids by SFC/MS: Separation of omega-3 and omega-6, branched and hydroxy fatty acids**
Michaela Chocholouskova, DUKE-NUS Medical School, Singapore
7 September, 08:30 - 10:00, South Hall 2B
- ★ **A robust multi-criteria framework for the rational selection of orthogonal separation conditions in comprehensive two-dimensional liquid chromatography**
Soraya Chapel, CNRS, France
7 September, 14:30 - 16:00, Forum Hall
- ★ **Toward low-input lipidomics: A microbore RP-UHPLC-4D-TIMS strategy for organoids analysis**
Fabrizio Merciai, University of Salerno, Italy
8 September, 14:30 - 16:00, South Hall 2A
- ★ **Bridging mass spectrometry and SERS via microfluidics: A step toward integrated peptide characterization**
Jakub Novotny, Institute of Analytical Chemistry of the Czech Academy of Sciences, v.v.i. Czech Republic
8 September, 14:30 - 16:00, South Hall 2B
- ★ **From organoids to exposure markers: LC-MS approaches for PFAS-related health effects**
Hanne Røberg-Larsen, University of Oslo, Norway
8 September, 10:30 - 12:00, South Hall 2B
- ★ **Online chemical labeling for functional group discovery in complex mixtures**
Christian Geibel, University of Tuebingen, Germany
9 September, 08:30 - 10:00, South Hall 2B



POSTER LIST

Monday, 7 September 2026, 13:00-14:00 - ODD POSTER NUMBERS (P 001, P 003, P 005, ...)
Tuesday, 8 September 2026, 13:00-14:00 - EVEN POSTER NUMBERS (P 002, P 004, P 006, ...)

P 001	BIO 01	MS and MS/MS characterization of isomeric cyclic peptides-glycosaminoglycan binders from dynamic combinatorial peptides libraries Claudia Bich, IBMM, Montpellier, France
P 002	BIO 01	Trap column loading conditions are important for robust low-input nanoLC proteomics Eliška Ceznerová, Bruker Switzerland AG, Fällanden, Switzerland
P 003	BIO 01	Proteomic and phosphoproteomic profiling resolves stimulus-dependent immune remodeling in THP-1 monocytes Shubham Kaushik, University of Salzburg, Salzburg, Austria
P 004	BIO 01	Monitoring of enzymatic digestion of therapeutic proteins by capillary electrophoresis with UV and MS detection Dušan Koval, IOCB Prague, Praha, Czech Republic
P 005	BIO 01	Proteome-wide discovery of endogenous biomolecular condensates and applications in precision medicine Bifeng Liu, Huazhong University of Science and Technology, Wuhan, China
P 006	BIO 01	High-throughput nano LC-MRM-MS platform for cost-effective quantification of plasma protein biomarkers in large clinical cohorts Margret Thorsteinsdottir, University of Iceland, Reykjavik, Iceland
P 007	BIO 02	HPLC-ESI-MS/MS determination of selected azole compounds in whole water samples using straightforward aqueous injection Alena Bednářiková - Research Institute of Water Management, Bratislava, Slovakia
P 008	BIO 02	Ultra-trace analysis of trifluoroacetic and ultra short-chain PFAS in drinking and groundwater Carlo Crescenzi, University of Salerno, Salerno, Italy
P 009	BIO 02	Assessment of PFAS contamination across environmental compartments using a validated multi-matrix LC-MS/MS method Marie Faure, CARSO, Venissieux, France
P 010	BIO 02	Green passive sampling to monitor contaminants in environmental water samples Núria Fontanals-Torroja, Universitat Rovira i Virgili, Tarragona, Spain
P 011	BIO 02	Toward greener chromatography: Feasibility and limitations of green solvents in HILIC, RP-LC and SFC coupled to mass spectrometry Maud Gregson, Université Claude Bernard Lyon 1, Villeurbanne, France
P 012	BIO 02	Evaluation of sustainable solvent alternatives for the purification of therapeutic peptides Yannick Krauke, KNAUER Wissenschaftliche Geräte GmbH, Berlin, Germany
P 013	BIO 02	From method to technology: Rethinking sustainability in (U)HPLC Andreas Otto, Agilent Technologies, Waldbronn, Germany
P 014	BIO 02	LC-MS/MS determination of PFAS in wild Baltic grey seal plasma for the assessment of health and developmental parameters Elina Pasečnaja, Thermo Fisher Scientific, Vilnius, Lithuania
P 015	BIO 02	Nationwide assessment of phosphonates and phosphonate-derived transformation products such as glyphosate in Danish wastewater Pascal Stopper, University of Tübingen - Working Group of Prof. Dr. Carolin Huhn, Tübingen, Germany
P 016	BIO 02	Towards greener LC mobile phases: Evaluating solvation properties of alternative solvents Xavier Subirats, University of Barcelona, Barcelona, Spain
P 017	BIO 02	Trace analysis of glyphosate and AMPA in the ng/L range using CE-MS Lukas Ude, Eberhardt Karls Universität Tübingen, Tübingen, Germany
P 018	BIO 02	Using μLC-ICP-MS for the accurate determination of metal species Jelle Verdonck, KU LEUVEN, Leuven, Belgium
P 019	BIO 02	Analytical monitoring of PFAS during textile waste recycling processes Andrea Verneřová, Jan Evangelista Purkyně University in Ústí nad Labem Faculty of Environment, Ústí nad Labem, Czech Republic



POSTER LIST

Monday, 7 September 2026, 13:00-14:00 - ODD POSTER NUMBERS (P 001, P 003, P 005, ...)
Tuesday, 8 September 2026, 13:00-14:00 - EVEN POSTER NUMBERS (P 002, P 004, P 006, ...)

P 020	BIO 03	Enhancing LC-MS/MS-based phospholipid analysis by cross ionization mode molecular networking Jana Drewes, University of Münster, Münster, Germany
P 021	BIO 03	Untargeted LC/MS profiling of Arabidopsis thaliana root exudates for the discovery and genetic mapping of iron-regulated coumarins Alonso Farina, Heinrich Heine University Düsseldorf, Düsseldorf, Germany
P 022	BIO 03	Automating Liquid Chromatography-based N-Glycan Data Analysis for CMC Biologics Development Juan Flórez Weidinger, Genedata AG, Basel, Switzerland
P 023	BIO 03	Propionic acid-induced remodeling of lipid and fatty acid profiles of Lactobacillus acidophilus Suyeon Park, Chung-Ang University, Seoul, Republic of Korea
P 025	BIO 04	SWIET: A novel sample treatment approach for pyrrolizidine alkaloids determination in honey María Álvarez-Romero, University of Granada, Granada, Spain
P 026	BIO 04	Survey of 540 pesticide residues in agricultural products using a multiresidue method Si woo Bark, Busan Regional Office of Food and Drug Safety, Busan, Republic of Korea
P 027	BIO 04	A liquid chromatography coupled with single quadrupole mass spectrometry method for the determination of free fatty acids in food and biological matrices Yuki Fukushima, Tokyo University of Pharmacy and Life Sciences, Hachioji, Japan
P 028	BIO 04	Separation of tocopherol isomers by cyclic ion mobility and mass spectrometry: Application for coffee and corn Dominik Halman, Palacký University Olomouc, Olomouc, Czech Republic
P 029	BIO 04	Occurrence of legislated pyrrolizidine alkaloids in Spanish PDO honeys: An SPE-UHPLC-MS/MS analytical approach Maykel Hernández-Mesa, Universidad de Granada, Granada, Spain
P 030	BIO 04	The development of chromatographic methods for quality control of different commodities of Poria Siu Po Ip, The Chinese University of Hong Kong, Hong Kong, Hong Kong
P 031	BIO 04	Upcycling spent coffee grounds: Impact on the fatty acid profile and nutritional quality of Tenebrio molitor Aliaksandra Kharoshka, Czech University of Life Sciences Prague, Prague, Czech Republic
P 032	BIO 04	Larvae macchiato or ristretto molitor? HPLC-DAD caffeine analysis of yellow mealworms fed on spent coffee grounds Pavel Kouřimský, Czech University of Life Sciences Prague, Prague, Czech Republic
P 033	BIO 04	Characterisation of changes in low-molecular off-flavour compounds from oilseed protein concentrates obtained by 'green' technology Tomáš Kouřimský, UCT Prague, Prague, Czech Republic
P 034	BIO 04	Detection of ovine and caprine milk adulteration by bovine milk via mass spectrometric β-lactoglobulin profiling Eliška Matušíková, Palacký University Olomouc, Olomouc, Czech Republic
P 035	BIO 04	UPLC-MS/MS determination of nitroimidazoles and hydroxymetabolites in animal muscle using p-QueChERS and Z-Sep+ clean-up Kamila Mitrowska, National Veterinary Research Institute (PIWet), Pulawy, Poland
P 036	BIO 04	Development of a non-targeted SFC-MS/MS method for polyphenols analysis from Cocoa Bean Shells (CBS) Ananda Molinaro, Institute of Analytical Sciences, Villeurbanne, France
P 037	BIO 04	Cutting downtime, not columns: Performance of a next-generation inert capillary column for multiresidue GC-MSMS analysis Sebastian Prisacariu, Restek, Bucks, United Kingdom
P 038	BIO 04	Tracking the fate of opium alkaloids during technological processing: A combined targeted and non-targeted HRMS/MS approach Ondřej Rubáš, Vysoká škola chemicko-technologická v Praze, Praha, Czech Republic
P 039	BIO 04	Ultra-sensitive UHPLC FLD determination of aflatoxins without post column derivatization Clarissa Spitz, Agilent Technologies Deutschland GmbH, Waldbronn, Germany



POSTER LIST

Monday, 7 September 2026, 13:00-14:00 - ODD POSTER NUMBERS (P 001, P 003, P 005, ...)
Tuesday, 8 September 2026, 13:00-14:00 - EVEN POSTER NUMBERS (P 002, P 004, P 006, ...)

P 040	BIO 04	Sustainable crop protection through weed valorization: Bioactive compounds in <i>Chenopodium ambrosioides</i> and <i>Cleome gynandra</i> with dual crop protection action Rahim Ullah, University of Helsinki, Helsinki, Finland
P 041	BIO 04	Quantification of glucovanillin in cured vanilla beans by extraction and subsequent HPLC analysis Veronika Výchová, Axxence Slovakia s.r.o., Bratislava, Slovakia
P 042	BIO 04	Biochirality of usnic and isousnic acid enantiomers in lichens Maonian Xu, University of Iceland, Reykjavik, Iceland
P 043	BIO 04	The effects of nicotinamide mononucleotide on Thoroughbred training male and female horses Takuya Yamane, The University of Osaka, Suita, Japan
P 044	BIO 05	GSH adduct trapping and soft-spot analysis of small-molecule drugs using high-resolution MRT mass spectrometry Hossein Armandi, H Lundbeck A/S, Copenhagen, Denmark
P 045	BIO 05	Dormancy, quiescence, and domestication through the lens of plant metabolomics Petr Bednář, Palacký University Olomouc, Faculty of Science, Olomouc, Czech Republic
P 046	BIO 05	Development of LC-MS methods for analysing tear metabolites using a desirability study Aurore Bessette, PSL - ESPCI Paris - CBI - LSABM, Paris, France
P 047	BIO 05	Chiral LC-MS/MS approach for separation and quantification of 2-hydroxyglutarate enantiomers as potential serum biomarkers in cancer diagnostics Kefan Cheng, University of Tübingen, Tübingen, Germany
P 048	BIO 05	Bioinformatic analysis of LC-MS metabolomic changes in biological studies Eva Cířková, University of Hradec Králové, Hradec Králové, Czech Republic
P 049	BIO 05	LC-MS/MS metabolomic profiling reveals GPR180 as a regulator of mitochondrial metabolism and insulin secretion in beta cell Martina Horejšová, Palacký University Olomouc, Olomouc, Czech Republic
P 050	BIO 05	Evaluation of SPE strategies for targeted and untargeted LC-MS metabolomic analysis Miroslav Lisa, University of Hradec Králové, Hradec Králové, Czech Republic
P 051	BIO 05	Targeted PRM-based LC-MS/MS approach for simultaneous quantification of central carbon metabolism metabolites Sara Lomuscio, Leibniz-Institut für Analytische Wissenschaften – ISAS – e.V., Dortmund, Germany
P 052	BIO 05	Untargeted liquid chromatography-mass spectrometry metabolomics of serum and cerebrospinal fluid from multiple sclerosis patients Zdeňka Neuerova, University of Hradec Králové, Hradec Králové, Czech Republic
P 053	BIO 05	Multi-platform LC-MS assessment of solvent systems for optimized tissue-liquid extraction of low-molecular-weight polar metabolites in tissue matrices Maria Petrocheilou, Forensic Medicine and Toxicology, Thessaloniki, Greece
P 054	BIO 05	Impact of post-harvest treatment on the yellow mealworm (<i>T. molitor</i>) metabolite profile Ondřej Pospíšil, UCT Prague, Prague, Czech Republic
P 055	BIO 05	Untargeted metabolomics in <i>Daphnia magna</i> reveals pharmaceutical-driven metabolic disruptions in urban WWTP upstream Irene Romero-Alfano, Institut Químic de Sarrià - Universitat Ramon Llull, Barcelona, Spain
P 056	BIO 06	From food analysis to biomass valorization: Lipid extraction, fatty acid derivatization, and minor components characterization in lipid-rich samples Marco Beccaria, Totalenergies, Feluy, Belgium
P 057	BIO 06	Optimization of an isomer-selective lipidomics analytical method of phosphoinositides by liquid chromatography with data-independent acquisition tandem mass spectrometry Julia Benirschke, Eberhard-Karls-University Tuebingen, Tübingen, Germany



POSTER LIST

Monday, 7 September 2026, 13:00-14:00 - ODD POSTER NUMBERS (P 001, P 003, P 005, ...)
Tuesday, 8 September 2026, 13:00-14:00 - EVEN POSTER NUMBERS (P 002, P 004, P 006, ...)

P 058	BIO 06	An untargeted-guided targeted DIA-MS/MS workflow for structure-informed lipidomics Adrian Brun, University of Tübingen, Institute of Pharmaceutical Sciences, Tübingen, Germany
P 059	BIO 06	Orthogonal LC-MS and GC-MS strategy for determination of fatty acyls in lipid classes of human plasma Tomáš Hájek, University of Pardubice, Pardubice, Czech Republic
P 060	BIO 06	Lipidomic profiling as a non-invasive screening tool for early detection of pancreatic cancer Daniel Heblík, Lipidica, a.s., Pardubice, Czech Republic
P 061	BIO 06	Skin surface lipidomics reveals sebaceous lipid dysregulation and a distinct lipid signature in sensitive skin Minkyong Hong, Chung-Ang University, College of Pharmacy, Seoul, Republic of Korea
P 063	BIO 06	3D-printed stackable air-liquid interface platform with paper-based cell culture enables isotope flux analysis of cancer-derived volatiles via HS-SPME/GC-MS Jimin Kim, Chung-Ang University, Seoul, Republic of Korea
P 064	BIO 06	High-throughput automated workflows for lipid extraction and chromatographic profiling through supercritical fluids Cristian Reale, Messina Institute of Technology, Messina, Italy
P 065	BIO 06	Scanning SWATH enables sensitive and robust MS2-based quantification for untargeted LC-MS/MS Lipidomics Philipp Seyfried, University of Tuebingen, Tuebingen, Germany
P 066	BIO 06	SFC/MS determination of bis(monoacylglycero)phosphates in biological matrices Nela Štěrbátová, University of Hradec Králové - Faculty of Science, Hradec Králové, Czech Republic
P 067	BIO 06	Analytical strategies for characterization of lipid-based formulations: Detection of degradation products using LC-MS and LC-ELSD Laura Takkunen, Bayer Oy, Turku, Finland
P 068	BIO 06	Geometry-adapted and multi-parameter column screening for targeted oxylipin UHPLC-MS/MS analysis Zijing Xu, University Of Tuebingen, Tuebingen, Germany
P 069	BIO 07	Development of a UHPLC-MS/MS method for simultaneous analysis of six synthetic and four endogenous GLP-1 receptor agonists Filip Bařinka, Charles University, Faculty of Pharmacy in Hradec Králové, Hradec Králové, Czech Republic
P 070	BIO 07	Advances in charged aerosol detection for quantitative analysis of biopharmaceutical excipients Michal Belianský, Waters Corporation, Praha, Czech Republic
P 071	BIO 07	Fantastic antibody variants: A case study on challenging intact antibody separations by HPLC-MS Thomas Berger, University of Salzburg, Salzburg, Austria
P 072	BIO 07	Size exclusion chromatography in quality control of monoclonal antibody formulations for inhalation application Zuzana Berkešová, Faculty of Pharmacy, Comenius University in Bratislava, Bratislava, Slovakia
P 073	BIO 07	Modern size-exclusion chromatography as a versatile tool for characterizing a wide range of innovative drug modalities Mathias Buff, University of Geneva, Geneva, Switzerland
P 074	BIO 07	High-throughput hydrophobic interaction chromatography for real-time monitoring of antibody drug conjugate bioconjugation reactions Werner Conze, Tosoh Bioscience GmbH, Griesheim, Germany
P 075	BIO 07	Integrated isolation and reduction of therapeutic monoclonal antibodies on Protein A resin Derya Demir, Charles University Faculty of Pharmacy, Hradec Králové, Czech Republic
P 076	BIO 07	Importance of hardware selection in peptide analysis including GLP-1 receptor agonists Daniel Eßer, YMC Europe GmbH, Dinslaken, Germany
P 077	BIO 07	Optimized serum sample preparation coupled with UHPLC-MS/MS for selective discrimination of neutralizing and non-neutralizing antibodies to infliximab Klára Faistauerová, Charles University, Faculty Of Pharmacy, Hradec Králové, Czech Republic



POSTER LIST

Monday, 7 September 2026, 13:00-14:00 - ODD POSTER NUMBERS (P 001, P 003, P 005, ...)
Tuesday, 8 September 2026, 13:00-14:00 - EVEN POSTER NUMBERS (P 002, P 004, P 006, ...)

P 078	BIO 07	DoE-based analytical quality by design approach for LC-UV method development: Assay and impurity profiling analyses of a fluorescent imaging probe Alice Giorgini, Bracco Imaging S.p.a., Colliereito Giacosa, Italy
P 079	BIO 07	High performance affinity chromatography, a useful tool to screen the drug-protein binding Rama Haddad, University of Barcelona, Barcelona, Spain
P 080	BIO 07	Development of fit-for-purpose size-exclusion chromatography driven by actual molecule specific analytical needs Lisa Heimlich, Novartis Pharmaceutical Manufacturing GmbH, Langkampfen, Austria
P 081	BIO 07	Development of a relative quantification method for Tyrosine oxidation variants in a monoclonal antibody (mAb) Georg Hölzl, Novartis Manufacturing GmbH, Langkampfen, Austria
P 082	BIO 07	Short path, strong signal: Flow-cell path length as a design variable for low-level impurity profiling of GLP-1 peptides by UV detection at 214 nm Vlastimil Hruska, Agilent Technologies, Waldbronn, Germany
P 083	BIO 07	Assessing the impact of novel stationary phase chemistries on the selectivity of reversed-phase peptide separations Matt James, Avantor, Reading, United Kingdom
P 085	BIO 07	LC-MS/MS-based oligonucleotide mapping for structural characterization of therapeutic mRNA Mar Losada, Institut Químic de Sarrià - URL, Barcelona, Spain
P 086	BIO 07	Chromatographic platform for supporting the development of first-in-class minoxidil-ritlectinib fixed-dose combination formulations Ana Mornar, Faculty of Pharmacy and Biochemistry University of Zagreb, Zagreb, Croatia
P 087	BIO 07	Nanopore sequencing as an orthogonal approach for integrated mRNA cap and transcript sequence analysis of mRNA therapeutics Alan Neal, Oxford Nanopore Technologies, Oxford, United Kingdom
P 088	BIO 07	Analysis of monoclonal antibodies and related biotherapeutics using a newly introduced 3 µm 250 Å size exclusion chromatography column Colin Pipe, Avantor, Sulhamstead, United Kingdom
P 089	BIO 07	Integrated mass spectrometric characterization of proteins following offline ion-exchange or size-exclusion fractionation Jennifer Römer, Rentschler Biopharma SE, Laupheim, Germany
P 090	BIO 07	FcγRIIIa and FcγRI affinity chromatography platform for quality assessment of therapeutic antibodies Yosuke Terao, Tosoh Corporation, Ayase, Japan
P 091	BIO 07	ADME samples: Method development and measurement with (U)HPLC Laszlo Valkai, Gedeon Richter Plc, Budapest, Hungary
P 092	BIO 07	Affinity titer analysis to enable scalable mAb and bispecific production Robert Van Ling, Thermo Fisher Scientific, Breda, Netherlands
P 093	BIO 07	Optimal column selection for experimental polar surface area (EPSA) measurement using supercritical fluid chromatography Yoshiyuki Watabe, Kyoto Prefectural University, Kyoto, Japan
P 094	BIO 07	Advances in light scattering detection for the characterization of drug delivery systems Kevin Brahm, Tosoh Bioscience GmbH, Griesheim, Germany
P 095	BIO 08	Programmable Flow Injection Analysis - A modern computer-controlled platform for microfluidics Petř Chocholouš, Charles University, Faculty of Pharmacy in Hradec Kralové, Hradec Kralové, Czech Republic
P 096	BIO 08	Development of a sustainable ultrasound-assisted extraction method for anthocyanin recovery from Rosa damascena using NaDES: A comparative optimization by RSM and ANN Atalanti Christou, Cyprus University of Technology, Limassol, Cyprus
P 097	BIO 08	Advanced "lock-and-key" isolation of venlafaxine from water using molecularly imprinted solid-phase extraction Katarina Marija Drmić, Faculty of Chemical Engineering and Technology, Zagreb, Croatia



POSTER LIST

Monday, 7 September 2026, 13:00-14:00 - ODD POSTER NUMBERS (P 001, P 003, P 005, ...)
Tuesday, 8 September 2026, 13:00-14:00 - EVEN POSTER NUMBERS (P 002, P 004, P 006, ...)

P 098	BIO 08	Flow-based platforms as tools for efficient sample processing in bioanalysis Sara R. Fernandes, REQUIMTE LAQV, Porto, Portugal
P 099	BIO 08	Development of silica particle-based immobilized enzyme columns for online digestion Yachao Hao, University of Tuebingen, Tuebingen, Germany
P 100	BIO 08	Challenges in development and validation of the bioanalytical methods used for quantification of RGH-857 in human plasma and urine Zsuzsa Hegedűs, Gedeon Richter Plc., Budapest, Hungary
P 101	BIO 08	Water-based Randall extraction with liquid-liquid microextraction enrichment of bioactive compounds from <i>Orthilia secunda</i> (L.) Danylo Holub, Palacky University in Olomouc, Olomouc, Czech Republic
P 102	BIO 08	Online proteomic sample preparation using monolithic capillary reactors Anna Kosmáková, Masaryk University, Brno, Czech Republic
P 103	BIO 08	Development and validation of an LC-MS/MS method for the determination of hexetidine in cosmetic products So-Young Lee, National Institute of Food and Drug Safety Evaluation (NIFDS), Ministry of Food and Drug Safety (MFDS), Cheongju-si, Republic of Korea
P 104	BIO 08	Comparison of hydrodistillation and solid-phase adsorption for the isolation of volatile organic compounds from <i>Mentha piperita</i> Alexandra Mattová, Axvence Slovakia s.r.o., Bratislava, Slovakia
P 105	BIO 08	Microextraction strategies for efficient isolation of plant-derived antioxidants from human milk Edyta Nalewajko-Sieliwoniuk, University of Białystok, Białystok, Poland
P 106	BIO 08	Nanofiber-based microsampling: Advancing dried blood spot sample preparation for fat-soluble vitamins Adéla Pechancová, Charles University, Faculty Of Pharmacy, Hradec Králové, Czech Republic
P 107	BIO 08	Microextraction techniques for the determination of vitamin K in biological samples Nikola Privratská, Charles University, Faculty Of Pharmacy, Hradec Králové, Czech Republic
P 108	BIO 08	Development of a separation platform for biopharmaceuticals using macro porous poly(ethylene-co-glycidyl methacrylate) spongy monoliths Tetsuya Tanigawa, Kyoto Prefectural University, Graduate School of Life and Environmental Science, Kyoto, Japan
P 109	BIO 08	Rapid monitoring of adenylate energy metabolites using an integrated SPME-MOI-MS/MS platform Natalia Treder, Medical University of Gdansk, Gdansk, Poland
P 110	BIO 08	Sarcosine-based amphoteric sorbent for the solid-phase extraction of acidic and basic pharmaceuticals from environmental water samples Abril Trullàs, Rovira i Virgili University, Tarragona, Spain
P 111	BIO 08	A plate-based automated SEC workflow for HMWS analysis in biopharmaceuticals Jessica Webb, AstraZeneca, Cambridge, United Kingdom
P 112	BIO 09	Improved oligonucleotide characterization by low-flow LC-MS using a supermacroporous polymer resin Simonas Balčiūnas, Vilnius University, Vilnius, Lithuania
P 113	BIO 09	Enabling oligonucleotide impurity profiling and diastereomeric separation via selective phosphorothioate alkylation using ion-pair-free reversed-phase liquid chromatography Quang Dong Bui, Vrije Universiteit Brussel, Brussels, Belgium
P 114	BIO 09	A novel monodisperse supermacroporous reversed-phase platform for comprehensive nucleic acid analysis across a broad size range Matas Damonskis-Rokas, Thermo Fisher Scientific Baltics, Vilnius, Lithuania
P 115	BIO 09	Miniaturized enzymatic reactor for streamlined mRNA quality control: A step toward industrial sequencing platforms Israël Donizeti De Souza, ESPCI, Paris, France
P 116	BIO 09	Separation of short oligonucleotide diastereoisomers using mixed-mode chromatography Tímea Déterová, Charles University, Prague, Czech Republic



POSTER LIST

Monday, 7 September 2026, 13:00-14:00 - ODD POSTER NUMBERS (P 001, P 003, P 005, ...)
Tuesday, 8 September 2026, 13:00-14:00 - EVEN POSTER NUMBERS (P 002, P 004, P 006, ...)

P 117	BIO 09	Chromatographic selectivity in oligonucleotide separations: Exploiting charge, hydrophobicity, structure, and stereochemistry Martin Enmark, Bio-Works Sweden, Uppsala, Sweden
P 118	BIO 09	Analysis of 5'-Capped mRNA Using a Reversed-Phase Column for Oligonucleotide Applications Kirstin Ernst, YMC Europe GmbH, Dinslaken, Germany
P 119	BIO 09	GalNAc-siRNA: Analytical characterization of product-related impurities Micaela Graglia, Silence Therapeutics, Berlin, Germany
P 120	BIO 09	Understanding ion-pairing mechanisms in oligonucleotide separations: DoE-based IP-RPLC method development for ASO impurities monitoring Amanda Guiraldelli, RIC group, Kortrijk, Belgium
P 121	BIO 09	Assessing the applicability of retention modelling as a tool for oligonucleotide analysis using ion-pair HPLC Richard Hodgson, Shimadzu UK, Milton Keynes, United Kingdom
P 122	BIO 09	Universal by design: Salt-mediated IP-RPLC enabling siRNA duplex characterization independent of chemistry and conjugation Christian Manz, AstraZeneca, Mölndal, Sweden
P 123	BIO 09	Advanced superficially porous separations materials for LC/MS analyses of synthetic oligonucleotides Stephanie Schuster, Advanced Materials Technology, Wilmington, USA
P 124	BIO 09	A high-throughput assay for plasmid DNA topology characterization on the Agilent Fragment Analyzer Jana Stefflova, Agilent Technologies, Waldbronn, Germany
P 125	BIO 09	Optimization of HILIC-MS conditions for analysis of miRNA as potential biomarkers Zuzana Vosáhllová, University of Pardubice, Pardubice, Czech Republic
P 126	BIO 09	Analysis and fractionation of mRNA using dual-amine ion-pairing RP-HPLC Matylda Wacławska-Sankowska, International Institute of Molecular and Cell Biology, Warsaw, Poland
P 127	BIO 10	Low-level LC-MS/MS analysis of steroid hormones in human serum and plasma John Gallant, Restek, High Wycombe, United Kingdom
P 128	BIO 10	Detection of illicit PDE-5 inhibitors in dietary supplements by capillary electrophoresis using a design of experiments approach Gabriel Hancu, "George Emil Palade" University of Medicine, Pharmacy, Science and Technology of Târgu Mureș, Târgu Mureș, Romania
P 129	BIO 10	Comparison of SPE sample clean-up strategies for UHPLC-HRMS analysis of O-glycans in tear samples Hana Chmelařová, Charles University, Faculty of Pharmacy in Hradec Králové, Hradec Králové, Czech Republic
P 130	BIO 10	Optimization of tear O-glycan analysis from Schirmer strips by UHPLC-DIA-HRMS Hana Kočová Vičková, Univerzita Karlova, Farmaceutická fakulta v Hradci Králové, Hradec Králové, Czech Republic
P 131	FUN 01	Impact of column hardware systems on (U)HPLC column performance Jason Anspach, Phenomenex, Torrance, USA
P 132	FUN 01	Polymeric, porous, monodisperse particle development and application to reversed-phase separations of biological molecules Sukhdev Bangar, Thermo Fisher Scientific, Hemel Hempstead, United Kingdom
P 133	FUN 01	Characterization of cyclodextrin derivatives as active pharmaceutical ingredients Gábor Benkovic, Beren Therapeutics Kft., Budapest, Hungary
P 134	FUN 01	Rapid gradients under UHPLC conditions: Modeling and experimental verification Marcin Chutkowski, Rzeszow University of Technology, Rzeszow, Poland
P 135	FUN 01	Importance of GC column deactivation technology for the analysis of challenging analytes Emma Hoare, Restek, Saunderton, United Kingdom



POSTER LIST

Monday, 7 September 2026, 13:00-14:00 - ODD POSTER NUMBERS (P 001, P 003, P 005, ...)
Tuesday, 8 September 2026, 13:00-14:00 - EVEN POSTER NUMBERS (P 002, P 004, P 006, ...)

P 136	FUN 01	Novel alkaline-stable superficially porous particle technology for enhanced chromatographic performance: Ascentis® Express pH+ and BIOshell™ A120 Oligo C18 Columns Egidijus Machtejevas, Merck Life Science KGaA, Darmstadt, Germany
P 137	FUN 01	UHPLC affinity chromatography column for high sensitivity, multi-attribute biotherapeutic analysis Beatrice Muriithi, Waters Corporation, Milford, USA
P 138	FUN 01	A multi-level study on the reproducibility of polymeric monolithic columns for bottom-up proteomics Luiz Fernando Ribeiro, Vrije Universiteit Brussel - VUB, Brussels, Belgium
P 139	FUN 01	Computational fluid dynamics analysis of inlet configuration effects in an industrial chromatography column Hanne Sørensen, Tetra Pak Processing Systems, Århus, Denmark
P 140	FUN 01	Resolution gains using Monodisperse Fully Porous Particles (MFPP) for HPLC analysis Mark Woodruff, Fortis Technologies Ltd, Neston, United Kingdom
P 141	FUN 02	Investigation of the effect of induced macromolecular crowding on model proteins using capillary electrophoresis and mass spectrometry Catherine Perrin, Institut des Biomolécules Max Mousseron - Pôle Balard, Montpellier, France
P 142	FUN 02	Comparison of biocompatible and inert UHPLC systems for LC-UV quantitation of large RNA Severine Ranc, Thermo Fisher Scientific, Voisins-Le-Bretonneux, France
P 143	FUN 02	Utilization of column pressure control for adjusting chromatographic behavior of large molecules Konstantin Shoykhet, Agilent Technologies Germany, Waldbronn, Germany
P 144	FUN 03	Orthogonality of various chromatographic modes for full comprehensive two-dimensional liquid chromatography of enzyme digested messenger ribonucleic acids Niklas Carstensen, University Tuebingen, Tübingen, Germany
P 145	FUN 03	Multidimensional gas chromatography applied to monitoring the conversion products of alcohol-to-jet fuel: Challenges in qualitative and quantitative analyses Jonas Da Silva Santos, Firjan SENAI, Rio de Janeiro, Brazil
P 146	FUN 03	Enabling 2D-LC separation of complex phenolic mixtures using varying multidimensional liquid chromatography workflows Mareike Prüfer, KNAUER wissenschaftliche Geräte GmbH, Berlin, Germany
P 147	FUN 04	Advantages of Monodisperse Fully Porous Particles (MFPP) for HPLC analysis Ken Butchart, Fortis Technologies Ltd, Neston, United Kingdom
P 148	FUN 04	Not the sharpest tool in the shed (Probably) Daniele Di Siena, Daiso Fine chem GmbH, Düsseldorf, Germany
P 149	FUN 04	Efficient LC method development integrating analyte physicochemical profiling, stationary phase selectivity and modelling software David Dunthorne, Avantor, Reading, United Kingdom
P 150	FUN 04	Halogen bonding capable silica-based stationary phases for the separation of biopharmaceuticals with high performance liquid chromatography Stella Friedrich, Eberhard-Karls-Universität, Tübingen, Germany
P 151	FUN 04	A novel MALT1-based biomimetic chromatography stationary phase for the study of drug-protein interactions Elisabet Fuguet, University of Barcelona, Barcelona, Spain
P 152	FUN 04	Towards the fabrication of polymeric monolithic columns for HILIC applications Milica Micic, Technological University Dublin, Dublin, Ireland
P 153	FUN 04	Improved performance of highly stable and inert biphenyl columns Phillipe Vassault, Waters Corporation, Guyancourt, France
P 154	FUN 04	Novel anion exchangers coated with nanoparticles with bonded highly branched functional layers Alexandra Zatirakha, Thermo Fisher Scientific, Sunnyvale, USA



POSTER LIST

Monday, 7 September 2026, 13:00-14:00 - ODD POSTER NUMBERS (P 001, P 003, P 005, ...)
Tuesday, 8 September 2026, 13:00-14:00 - EVEN POSTER NUMBERS (P 002, P 004, P 006, ...)

P 155	FUN 05	Progressing Supercritical Fluid Chromatography: Evaluation of 400 and 600 bar systems for improved sensitivity Matthew Markham, AstraZeneca, Macclesfield, United Kingdom
P 156	FUN 05	Characterization of SFC stationary phases for Analysis of Essential Oils Martin Meyer, Shimadzu Europe, Duisburg, Germany
P 157	FUN 05	Apparent pH of the mobile phases in SFC Veronika Pilařová, Charles University, Faculty of Pharmacy in Hradec Kralove, Hradec Králové, Czech Republic
P 158	FUN 05	Integrated SFE-SFC workflow for the analysis of hemp-derived edible products Radosław Porada, Jagiellonian University, Faculty of Chemistry, Kraków, Poland
P 159	FUN 05	Streamlined selection of optimal separation conditions using an automated LC/SFC method development platform Gesa Schäd, Shimadzu Europa GmbH, Duisburg, Germany
P 160	FUN 05	Derivatization approaches for the separation of very-long chain fatty acids by supercritical fluid chromatography Kazuhiro Yamamoto, Tokyo University of Pharmacy and Life Sciences, Hachioji, Japan
P 161	FUN 06	Vaast®-enabled enantioselective analysis of D-amino acids by (U)HPLC-MS/MS after 6-aminoquinolyl-N-hydroxysuccinimidyl carbamate derivatisation Christina Heinz, University of Tuebingen, Tuebingen, Germany
P 162	FUN 06	Kinetic and thermodynamic characterization of some synthetic cathinone racemization by chiral HPLC-MS/MS Tamari Matsiasashvili, Polytechnic university of Marche, Ancona, Italy
P 163	FUN 06	Chiral SFC-MS analysis of methoxphenidine and its metabolite in rat biological matrices for pharmacokinetic profiling Natalie Paškanová, University of Chemistry and Technology in Prague, Prague, Czech Republic
P 164	FUN 06	Potential carborane drugs: Chiral screening strategies in HPLC Tereza Štěpánková, Charles University, Faculty of Pharmacy in Hradec Králové, Hradec Králové, Czech Republic
P 165	FUN 06	Application of polysaccharide-based chiral stationary phases in the separation of liquid crystalline racemates Edyta Wojda, Military University of Technology, Warsaw, Poland
P 167	FUN 07	Use of Cysteine as a chelating mobile-phase additive as an alternative to EDTA to improve peak shape of a ligand-based drug substance analyte across multiple batches of columns Gareth Hardwell, Chiesi Limited, Chippenham, United Kingdom
P 168	FUN 07	Modelling retention behaviour over broad ranges of organic modifier on reversed-phase columns in liquid chromatography Kristof Vynckier, VUB, Elsen, Belgium
P 169	FUN 07	A monolithic fused silica spectroelectrochemical SERS Sensor as novel HPLC detector Merle Zenner, Leipzig University, Leipzig, Germany
P 170	FUN 08	Integrated multi-attribute analytical toolkit for end-to-end monitoring of mAb critical quality attributes Luiza Chrojan, Pharmaron Biologics, Liverpool, United Kingdom
P 171	FUN 08	A zeolite-based molecular sieving strategy for the enrichment of branched saturated FAMES Kateřina Hrabáková, Institute of Organic Chemistry and Biochemistry of the CAS, Prague, Czech Republic
P 172	FUN 08	Ion chromatographic determination of major inorganic ions in beer for quality control and product differentiation Vadim Kraft, Shimadzu Europa GmbH, Duisburg, Germany
P 173	FUN 08	Feed injection in modern liquid chromatography: Overcoming strong solvent effects and expanding application space Sascha Lege, Agilent Technologies Deutschland GmbH, Waldbronn, Germany
P 174	FUN 08	Systematic approaches to identifying and mitigating mobile phase-related interferences in reversed-phase liquid chromatography method development Hannah Mills, AstraZeneca, Macclesfield, United Kingdom



POSTER LIST

Monday, 7 September 2026, 13:00-14:00 - ODD POSTER NUMBERS (P 001, P 003, P 005, ...)
Tuesday, 8 September 2026, 13:00-14:00 - EVEN POSTER NUMBERS (P 002, P 004, P 006, ...)

P 175	FUN 09	Liposome electrokinetic chromatography for biomimetic modelling of drug-membrane interactions Samia Arshad, University of Barcelona, Barcelona, Spain
P 176	FUN 09	Development of an MS-compatible CZE method for near-native characterization of monoclonal antibodies Simona Horkelová, Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague 6, Czech Republic
P 177	FUN 09	Development of a CZE-UV method for the analysis of ceftriaxone and ceftazidime in pharmaceutical dosage forms Ivana Kopáčová, Faculty of Pharmacy, Comenius University, Bratislava, Slovakia
P 178	FUN 09	A pilot study of magnetic core-shell nanoparticles interactions with gold nanoparticles in Hofmeister electrolytes by capillary electrophoresis Elena Kučerová, Palacky University Olomouc, Olomouc, Czech Republic
P 179	FUN 09	Affinity capillary electrophoresis used for study of host-guest complexes of cucurbit[7]uril with cationic aromatic ligands in hydro-organic solution Veronika Šolínová, Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Praha 6, Czech Republic
P 180	FUN 09	Determination of acidity constants of sulfonated hydroxyaryl-tetrazines by capillary electrophoresis Sille Štěpánová, Ústav organické chemie a biochemie AV ČR, v.v.i., Praha, Czech Republic
P 181	FUN 09	A new LFER method for determining pseudostationary phase mobility in electrokinetic chromatography Paula Vidal, University of Barcelona, Barcelona, Spain
P 182	FUN 10	Concept for software-based method development related to the enhanced approach for small molecules in pharmaceutical development Christian Faist, Bayer AG, Wuppertal, Germany
P 183	FUN 10	AI-assisted decision support on vancomycin-based CSPs: Mapping enantioselective versatility across diverse mobile phase systems Yolanda Martín-Biosca, Faculty of Pharmacy and Food Sciences (University of Valencia), Burjassot (Valencia), Spain
P 184	FUN 10	Closed-loop autonomous optimisation of chromatographic separations using a Bayesian algorithm Matthew Notley, AstraZeneca, Macclesfield, United Kingdom
P 185	FUN 10	Taking advantage of total error assessment to define the replication strategy of chromatographic assay methods: Application to a GC/HS method for a residual solvent in an API Jean-Marc Roussel, JM Roussel EI, MACON, France
P 186	FUN 10	Domain gap in MS/MS fragmentation prediction for pharmaceutical compound libraries: A case study on TAAR1 agonists Damian Tuz, Medical University of Warsaw, Warsaw, Poland
P 187	FUN 10	Accelerated liquid chromatography method development using Bayesian Optimization Dongyang Zheng, University of Liverpool, Liverpool, United Kingdom
P 188	HYP 01	Efficient SFC method development for the analysis of essential oils using Shimadzu LabSolutions MD Brigitte Bollig, Shimadzu Europa GmbH, Duisburg, Germany
P 189	HYP 01	Implementing SFC for analysis of antibiotics in manure Michelle Hussock, University of Duisburg-Essen, Essen, Germany
P 190	HYP 01	From high throughput activity to chiral confidence: Complementary separation-mass spectrometry workflows for enzyme variant screening Hervé Koehl, Novartis Pharma AG, Basel, Switzerland
P 191	HYP 01	Analysis of triacylglycerol estolide stereoisomers by chiral SFC-MS Oleksandr Kozlov, University of Hradec Králové, Hradec Králové, Czech Republic
P 192	HYP 01	Artificial neural network-based evaluation of electrospray ionization efficiency in single and triple quadrupole SFC-MS systems Katerina Prazakova, Charles University, Faculty Of Pharmacy, Hradec Kralove, Czech Republic



POSTER LIST

Monday, 7 September 2026, 13:00-14:00 - ODD POSTER NUMBERS (P 001, P 003, P 005, ...)
Tuesday, 8 September 2026, 13:00-14:00 - EVEN POSTER NUMBERS (P 002, P 004, P 006, ...)

P 193	HYP 02	Large volume sample stacking capillary electrophoresis for peptide analysis after monoclonal antibody trastuzumab proteolysis Renáta Konášová, Institute of Organic Chemistry and Biochemistry of the Czech Academy of Sciences, Prague, Czech Republic
P 194	HYP 02	Semi-permanent liposome coatings for open-tubular capillary electrochromatography-mass spectrometry Dumidu Perera, University of Helsinki, Helsinki, Finland
P 195	HYP 02	A modular chip-based interface for sheathless capillary electrophoresis-mass spectrometry Julius Schwieger, Leipzig University, Leipzig, Germany
P 196	HYP 02	Residue analytical method for the determination of fosetyl-Al in grape berries and tomato fruit Jan Stenzler, Bayer AG, Monheim, Germany
P 197	HYP 04	Evaluation of bioinert HILIC and timsMetabo for increased sensitivity and annotation depth in metabolomics Robert Jirásko, University of Pardubice, Pardubice, Czech Republic
P 198	HYP 04	Chemical characterisation of Cannabis sativa by hyphenation of gas chromatography and Structures for Lossless Ion Manipulation Cedric Thom, University of Duisburg-Essen, Essen, Germany
P 199	HYP 05	Multi-matrix LC-MS determination of antiepileptic medications for minimally invasive therapeutic drug monitoring Viktória Ďurčová, Masaryk University, Brno, Czech Republic
P 200	HYP 05	Analysis of steroids in complex matrices using targeted UHPLC-MS/MS Tamara Janker, University of Tuebingen, Tuebingen, Germany
P 201	HYP 05	Laboratory evidence-based dose optimization for off-label drug use in LMIC vulnerable populations in the absence of suitable formulations Tracy Kellermann, Stellenbosch University, Cape Town, South Africa
P 202	HYP 06	High-sensitivity analysis of more than 100 pesticides in food using microflow LC-MS/MS Ramy Abou Naccou, Shimadzu France, Marne-la-Vallée, France
P 203	HYP 07	Stability-indicating LC-MS/MS and LC-PDA methods for determination of ritonavir and high-resolution mass spectrometric identification of a novel degradation product Hazel Avcı, Anadolu University, Eskisehir, Türkiye
P 204	HYP 07	Analysis of degradation mechanisms in advanced reduction processes (ARPs) by chromatographic techniques Grzegorz Boczkaj, Gdansk University of Technology, Gdansk, Poland
P 205	HYP 07	Optimization of a UHPLC-HRMS method for fast screening of CYP inhibitors Cyril Colas, University of Orléans, Orléans, France
P 206	HYP 07	Chromatography supports electrochemistry-mass spectrometry (EC-MS) analysis of olaparib and inavolisib metabolites Fabiola Dotsi Tonleu, University of Münster, Münster, Germany
P 207	HYP 07	Characterization of new electrolyte systems for redox flow batteries and their degradation via HPLC-HRMS Alina Karbach, University of Münster, Münster, Germany
P 208	HYP 07	Green stability-indicating LC method for the determination of trofentide: Multivariate design optimization and HRMS identification of a novel degradation product Serkan Levent, Anadolu University, Eskisehir, Türkiye
P 209	HYP 07	Overcoming DMF interference and retention challenges: A robust biphenyl LCMS/MS method for multi nitrosamine quantitation in metformin Helen Margaret Poole, Avantor Sciences, Reading, United Kingdom
P 210	HYP 07	ASAP-MS analysis of pollen exine using a modified capillary, hydrolysis and micro-thioacidolysis Matěj Tesárek, Palacky University, Faculty of Science, Olomouc, Czech Republic
P 211	HYP 07	Identification and characterization of stress-induced new structural transformation products of desidustat by LC-MS/MS, NMR, single-crystal XRD Rupali Wagh, Sandip University, Select, India



POSTER LIST

Monday, 7 September 2026, 13:00-14:00 - ODD POSTER NUMBERS (P 001, P 003, P 005, ...)
Tuesday, 8 September 2026, 13:00-14:00 - EVEN POSTER NUMBERS (P 002, P 004, P 006, ...)

P 212	HYP 08	NaDES-UAE as a green strategy to recover Pistacia lentiscus L. anthocyanins: Optimization and characterization of extract composition and bioactivity Georgia Ioannou, Cyprus University of Technology, Limassol, Cyprus
P 213	HYP 08	Identifying optimal LC-MS conditions for oligonucleotide mapping of mRNA: A multi-criteria assessment of methods Athanasios Tsalmipouris, CMU, University of Geneva, Geneva, Switzerland
P 215	HYP 10	Validation of a multiplex LC-MS/MS based assay for the simultaneous quantification of 9 drugs pertinent to the COPD patient population from dried blood microvolumes Ahmar Khan, University of Hertfordshire, Hatfield, United Kingdom
P 216	HYP 10	A cross-matrix validation approach for Dxd tissues quantification by UPLC-MS/MS Chan Laurent-Britel, Service de pharmacologie - Institut Curie, Saint-Cloud, France
P 217	HYP 10	A sample-sparing multi-method LC-MS/MS panel for quantification of 11 antituberculosis drugs and a corticosteroid in paediatric tuberculosis meningitis Anné Lerner, Stellenbosch University, Cape Town, South Africa
P 218	HYP 10	Hybrid polymethacrylate-based dispersive solid-phase microextraction coupled with UHPLC-MS/MS for therapeutic drug monitoring of alpelisib Zvonimir Milinarić, University of Zagreb Faculty of Pharmacy and Biochemistry, Zagreb, Croatia
P 219	HYP 10	Development of a fast LC-DAD-MS method for the simultaneous determination of fedratinib, glitertinib, pirtobrutinib and asciminib Kristian Morić-Španić, University of Zagreb Faculty of Pharmacy, Zagreb, Croatia
P 220	HYP 10	Validation of whole blood microsampling for LC-MS/MS quantification of CDK4/6 inhibitors Julie Sowa, Institut Curie, Saint-Cloud, France
P 221	HYP 11	A rapid and safer method for preparation and measurement of dimethylmercury using gas chromatography-atomic fluorescence spectrometry Yong Cai, Florida International University, Miami, USA
P 222	HYP 11	Network pharmacology analysis of GC-MS-identified components of Moschus Seongmi Lee, NIFDS, Cheongju, Republic of Korea
P 223	HYP 11	Development of a universal method for the analysis of organic acids in biological matrices using gas chromatography - mass spectrometry Joanna Pluta, Jagiellonian University, Kraków, Poland
P 224	HYP 11	Development of a GC-MS/MS method for polybrominated dibenzo-p-dioxins and dibenzofurans (PBDD/Fs) analysis in air emission samples Albert Sales-Alba, Institut Químic de Sarrià - Universitat Ramon Llull, Barcelona, Spain
P 225	HYP 11	Synthesis and spectral properties of some partially deuterated aliphatic-aromatic organic compounds Monika Zajęc, Wojskowa Akademia Techniczna im. Jarosława Dąbrowskiego, Warszawa, Poland
P 226	HYP 01	Comprehensive lipidomic analysis of human plasma by UHPSFC/MS using bioinert column: Dysregulation in pancreatic cancer Petra Peroutková, University of Pardubice, Pardubice, Czech Republic
P 227	BIO 08	From tissue to single cells: Targeted plant hormones Ondřej Novák, Institute of Experimental Botany of the Czech Academy of Sciences, Olomouc, Czech Republic



ABOUT ISC



HISTORY OF ISC

The International Symposium on Chromatography (ISC) series has been organized since its beginning in 1956 by three major European societies active in separation sciences: The Chromatographic Society (UK), the Chromatography Section of the Gesellschaft Deutscher Chemiker (GDCh) (Germany), and GAMS (Groupe des Amis de la Chromatographie, later Afsep, Association Française des Sciences Séparatives et de leurs Applications) from France. According to the original agreement, the ISC symposium was to be held every two years (in even-numbered years) in one of these three countries, with each society being responsible for the organization every sixth year. However, it was possible for a country to delegate the organization to another European chromatographic society, allowing the ISC series to be hosted in various European countries. As Europe gradually became more unified, three founding societies decided to transfer the responsibility for the coordination of the ISC series to the Permanent Scientific Committee (ISC-PSC). Currently, the ISC symposia are held in Europe every two years, typically for five days from Sunday to Thursday in September or October of even-numbered years, alternating with HPLC series, which takes place in Europe on odd-numbered years.





You play, we support

With the Nexera IC, Shimadzu combines advanced automation and robust performance to deliver seamless ion chromatography. Tailored for routine analyses and standard methods, the system keeps daily workflows running smoothly by minimizing manual intervention and troubleshooting while ensuring long-term reliability. With experts ready to assist with implementation and optimization, the focus stays on results rather than instrument management.

Workflow automation

Built-in automation reduces manual steps, variability, and operator workload

Personal service

Local experts support method transfer, optimization, and maintenance

Easy transition

Guided implementation and robust service reduce risk when changing platforms



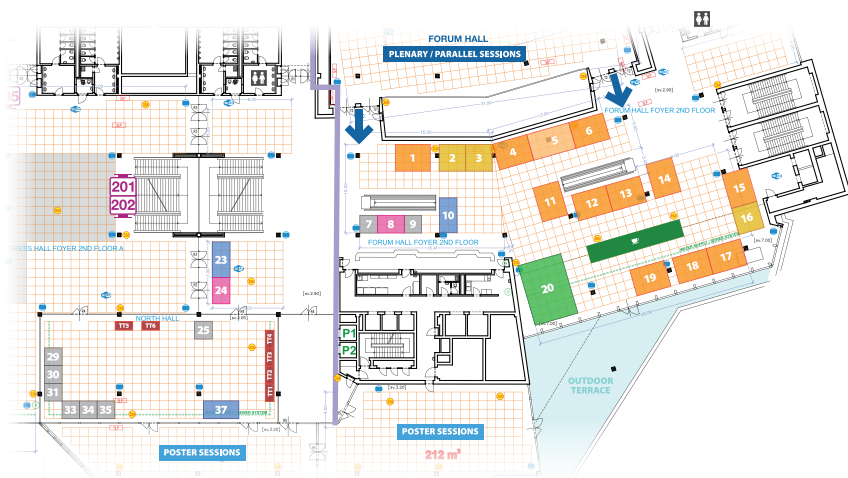


EXHIBITORS





EXHIBITION & SPONSORSHIP



EXHIBITION STANDS

- STAND 5 x 7 m
- STAND 2 x 4 m
- STAND 3 x 3 m
- STAND 2 x 3 m
- STAND 3 x 4 m
- STAND 2 x 2 m
- TABLETOP 2 x 1 m
- CATERING



2

EXHIBITORS STANDS

- | | | | |
|----|-------------------------------------|-----|-------------------------------|
| 1 | Restek | 19 | DataApex |
| 2 | VICI | 20 | Shimadzu Europe GmbH |
| 3 | ECOM | 23 | YMC Europe GmbH |
| 4 | Watrex | 24 | UVISON Technologies |
| 5 | Chromservis | 25 | LabRulez/Bioanalytics |
| 6 | ChromSword | 29 | Analyse |
| 7 | Büchi, Donaulab | 30 | CEMIS-TECH |
| 8 | Regis Chromatography | 31 | GL Sciences |
| 9 | FORTIS TECHNOLOGIES | 33 | HPC Standards GmbH |
| 10 | BOHLENDER | 34 | Bruker |
| 11 | Waters | 35 | Phenomenex |
| 12 | ROMIL | 37 | Avantor |
| 13 | S-Matrix | TT1 | Affipro |
| 14 | Agilent Technologies | TT2 | Advanced Materials Technology |
| 15 | Tosoh Bioscience | TT3 | Molnár Institute |
| 16 | Merck | TT4 | ISC 2028 |
| 17 | cmc Instruments | TT5 | LabRulez |
| 18 | Thermo Fisher Scientific Pragolab | TT6 | HPLC book |



COMPANY PROFILES



Shimadzu is a global leader in analytical instrumentation, supporting scientific progress and safer everyday life through precise, reliable technologies. Founded in 1875, the company has remained committed to its mission of contributing to society through science and technology, serving customers across healthcare, pharmaceuticals, food safety, environmental monitoring, chemistry, and other industrial sectors.

Shimadzu's comprehensive portfolio includes chromatographs, spectrometers, and environmental and industrial analyzers. At ISC 2026, visitors can explore solutions ranging from analytical HPLC and LCMS to preparative HPLC, UHPLC, ion chromatography (IC), supercritical fluid chromatography (SFC), and GCMS. These technologies help researchers and professionals achieve accurate, efficient analyses and make informed decisions in demanding applications.

Shimadzu continues to advance laboratory workflows through automation, artificial intelligence, and innovative software, enabling faster analysis, improved reproducibility, and greater productivity. The company also develops sustainable products and practices designed to reduce environmental impact while maintaining high analytical performance.

With a strong focus on customer satisfaction, Shimadzu provides tailored applications support and service to help laboratories address evolving technical and regulatory challenges. Combining a long-standing tradition of scientific excellence with forward-looking innovation, Shimadzu is a trusted partner for organizations seeking dependable analytical solutions and new possibilities in research, quality control, and industrial development worldwide.

**Agilent**

As a global leader in laboratory and clinical technologies, Agilent is committed to helping scientists bring great science to life. As they pursue small, everyday advances and life-changing discoveries, we provide trusted answers to scientists' and clinicians' most critical questions and challenges. Leveraging more than 50 years of expertise, we create advanced instruments, software, and consumables supported by teams of highly skilled and knowledgeable people.

Our comprehensive solutions produce the most accurate results as well as optimal scientific, economic, and operational outcomes. By working collaboratively with our customers and supporting their needs, we help them bring great science to food, pharma, environment, energy, chemical, academic research, and clinical fields.

Information about Agilent is available at www.agilent.com.



COMPANY PROFILES



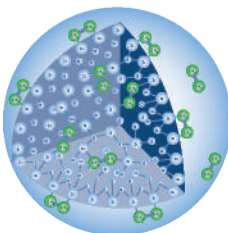
Chromservis s.r.o., based in Prague, is a leading Czech supplier and manufacturer of chromatography columns (e.g., ASTRA®) and laboratory consumables. Established in 1989, we specialize in chromatography, spectroscopy, sample preparation, and diagnostic kits. We deliver high-quality products, custom solutions, and expert technical support for research and industry.

Astra® Hybrid ChromLine

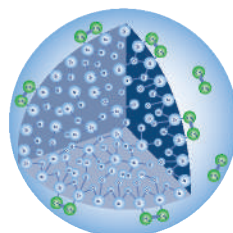
Smarter Silica for
Advanced Performance



High-density end-capping combined with fully hybrid particles ensures exceptional alkaline stability – outperforming partially hybrid phases without compromising performance at low pH.



ASTRA® C-18 Hybrid
Fully hybrid phase



Competitive Phase
Partially hybrid phase



COMPANY PROFILE



DataApex develops chromatography software for laboratories worldwide. Its flagship Clarity Chromatography Software controls over 1000 instruments from leading manufacturers through a single interface. Available in six languages, Clarity combines intuitive operation, responsive technical support, and optional extensions for applications including PDA, MS, GPC, NGA, DHA, and SST.



Clarity™

ADVANCED CHROMATOGRAPHY SOFTWARE

- software for GC, HPLC, and MS systems
- more than 1000 supported instruments
- tools for regulated environment

GET FREE DEMO





COMPANY PROFILES



Founded in 1985, Restek are a leading developer and manufacturer of chromatography columns, sample preparation and collection products, reference standards, and instrument accessories. They work with analysts around the world, providing them with tools to monitor the quality of air, water, soil, foods, botanicals, pharmaceuticals, and chemical and petroleum products.



UNLEASH YOUR PERFORMANCE

ENHANCED DETECTION. LESS DOWNTIME. MORE DISCOVERY.



RMX GC columns with TriMax deactivation technology maximize trace-level performance, so you can increase productivity and profitability. Exceptional inertness delivers superior peak symmetry across a wide range of challenging active compounds, resulting in more linear calibrations and higher recoveries.





COMPANY PROFILES

Waters™

Waters Corporation is a global leader in analytical science, providing advanced liquid chromatography, mass spectrometry, laboratory informatics, and consumables solutions. Serving pharmaceutical, biopharmaceutical, clinical, environmental, and food-testing laboratories worldwide, Waters helps scientists accelerate innovation, ensure regulatory compliance, and deliver reliable results across research, development, and quality control workflows.

Learn more on www.waters.com

Equip your lab for today's most important challenges

Discover Waters comprehensive solutions at the forefront of innovation, aligned with the problems that matter most to your lab. Visit us to explore:

- QC operational excellence
- Multi-angle light scattering for QC
- Next-generation lab automation
- Synthetic peptide and GLP-1 analysis
- Advanced PFAS solutions

Find out more at: waters.com/chromatography

Waters™





Labs are supposed to run a smooth operation.



- ⌚ Maximized uptime
- ✓ Gas supply ready-to-go
- 🔧 Simple to install, run and maintain
- ⊘ Free of servicing for PM
- ⚙️ With full control of PM costs

A reliable, high-purity N₂ gas supply.
You can optimize your workflows with the generator that suits you.

NGM

Standard 99.7 % N₂ at constant flows for multiple MS simultaneously.

NGM-C

Hybrid Nitrogen (Standard 99.7 % [l/min] and UHP 5.5 for collision cell [ml/min])

NG-70C

UHP Nitrogen Grade 6.0 for collision cell gas.

NG-UHP

UHP Nitrogen Grade 5.5 up to 5 l/min



NOTES

.....

.....

.....

.....

.....

.....

.....

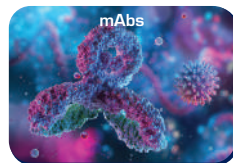
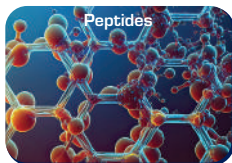
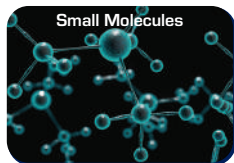
Your favorite chromatography products from Phenomenex!

A full range of HPLC, GC and sample prep solutions from nano to prep scale. In addition, explore our free technical webinars and training courses!

 Gemini pH Flexilis LC Robustness and pH stability	 Synergi Full Range Selectivity LC Full selectivity range and water stability	 Kinetex Core-Shell Technology Better efficiency better separation	 Strata XPro A Rapid Solid Phase Extraction Solution SPE was never that simple
 Luna Omega Our most retentive UHPLC column	 Biozen by Phenomenex Unveil the secrets of biomolecules	 Phenex Spring Filtration Filtration Solutions	 Zebtron GC Products Columns for your GC method



Visit our website to learn
more about Phenomenex!
www.phenomenex.com



Accurately Models All These Separation Modes

- Reversed Phase
- Normal Phase
- Chiral
- HILIC, HIC
- Ion Exchange
- Size Exclusion
- Supercritical Fluid (SFC)

Automates Flexible DoE Experiments on your CDS Software



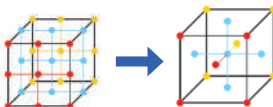
Fusion QbD Strategic Advantages

- Quickly Develops Methods Optimized for Mean Performance (X-bar) and Robustness (% RSD, C_{av})
- Eliminates OOS Results on Method Validation and Transfer
- Supports Full Regulatory Compliance and Data Integrity
- **AI READY:** Fuel Your AI Engine with the Best Learning Data Sets

LC and LC-MS Methods
Sample Prep Methods
Non-LC Methods

- Gas Chromatography
- Capillary Electrophoresis
- Dissolution, ...

Powerful, Flexible, Automated Design of Experiments

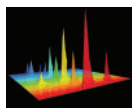


Experiment While You Sleep – Walk-away CDS Automation

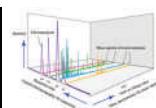


UV & MS Spectra-based Peak Tracking

UV Spectra

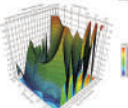


MS Spectra

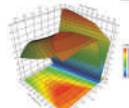


Advanced Chromatography Modeling & Robust MODR Optimization

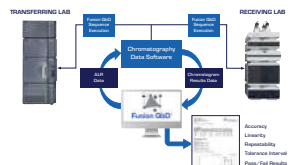
Not Robust



Robust



Automated Method Validation & Transfer



Full Data Integrity and Regulatory Compliance

100% Aligned with All AQbD and APLM Guidances: ICH Q2 (R2), Q14, <USP 1210>, <1220>, ...
21 CFR 11 – Full Compliance Support with Integrated Workflow Management System

MAKE IT RIGHT.

Reliable and robust
chromatography solutions
for the separation and
characterization of
your molecules.

- ✓ TSKgel® (U)HPLC Columns
- ✓ LenS™ MALS Detectors
- ✓ EcoSEC™ GPC Systems

MAKE IT TOSOH.



TOSOH

TOSOH BIOSCIENCE

**SEPARATION
& PURIFICATION**

Contact us for more information:



+49 6155-7043700



info.tb@tosoh.com

www.tosohbioscience.com

PRECISION YMC



YMC – Consistency you can build on.

**Reproducibility.
Robustness.
Reliability.**

Consistent performance – every single day.

YMC-Triart columns ensure reproducible
separations with outstanding stability, high
resolution and exceptional analytical accuracy.

Curious to learn more? Discover us now.

ymc.eu





*Download the official
ISC 2026 mobile app*

