

ANAKON 2025

Monday, March 10, 2025 - Thursday, March 13, 2025, Leipzig

Monday, March 10, 2025

01:00 p.m. - 01:15 p.m.

Opening and Welcome

Auditorium Maximum

Session Chair: D. Belder, T. Reemtsma

01:00 p.m. - 01:15 p.m.

01:15 p.m. - 02:00 p.m.

Fresenius Award Ceremony Fresenius Award Winner Plenary Lecture 1

Auditorium Maximum

PL01 Fresenius Award Winner
Top-down mass spectrometry for the study of RNA
modifications and RNA interactions with proteins and small
molecules
K. Breuker, Innsbruck/AT

01:15 p.m. - 02:00 p.m.

02:00 p.m. - 03:00 p.m.

Networking & Coffee Break

Breaks

02:00 p.m. - 03:00 p.m.

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Monday, March 10, 2025 - Thursday, March 13, 2025, Leipzig

Monday, March 10, 2025

03:00 p.m. - 04:30 p.m.

Analytical Separation Techniques 1

Lecture Hall 9

Session Chair: C. Huhn

Keynote

KN01	New developments in ion mobility spectrometry <u>S. Zimmermann, Hannover/DE</u>	03:00 p.m. - 03:30 p.m.
L01	Hike along the analytical process: On the road to sustainability in the LC lab <u>M. Legelli, Ludwigshafen am Rhein and Rheinbach/DE</u> , S. Lamotte, Ludwigshafen am Rhein/DE, M. Wirtz, Rheinbach/DE	03:30 p.m. - 03:50 p.m.
L02	Quantification of metabolites relevant for cardiovascular diseases in human blood samples - accelerated analysis by Dual-HPLC-MS <u>C. Faist, Münster/DE</u> , E. Tacke, Münster/DE, H. Hayen, Münster/DE	03:50 p.m. - 04:10 p.m.
L03	Manipulating Ions with Sound in the Open-Air <u>Y. You, Berlin/DE</u> , J. Danischewski, Troy/US, J. Riedel, Berlin/DE, J. Shelley, Troy/US	04:10 p.m. - 04:30 p.m.

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03:00 p.m. - 04:30 p.m.

System Integration & Miniaturization 1

Lecture Hall 8

Session Chair: N. Pamme

Keynote

KN02	Microfluidic Extraction Approaches for Bioanalytical and Microphysiological Applications <u>J. P. Kutter, Copenhagen/DK</u> , A T H Nguyen, Copenhagen/DK, N J Petersen, Copenhagen/DK, S Pedersen-Bjergaard, Oslo/NO	03:00 p.m. - 03:30 p.m.
L04	Nano- and Advanced Materials Synthesis in a Self-Driving Lab <u>M. Zaki, Berlin/DE</u> , B. Rühle, Berlin/DE	03:30 p.m. - 03:50 p.m.
L05	Implementation of real time IR imaging and long term IR reaction monitoring inside a digital microfluidics chip <u>S. Fehse, Leipzig/DE</u> , B. Ungermann, Leipzig/DE, A. Das, Leipzig/DE, D. Belder, Leiptig/DE	03:50 p.m. - 04:10 p.m.
L06	Embedded sensor for the detection of TNT in surface and marine waters based on a tandem smartphone-microfluidic device <u>J. Bell, Berlin/DE</u> , M. Biyikal, Berlin/DE, K. Rurack, Berlin/DE	04:10 p.m. - 04:30 p.m.

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03:00 p.m. - 04:30 p.m.

Material Analysis

Lecture Hall 1

Session Chair: D. Bleiner

Keynote

KN03	Exploring Lithium-Ion Battery Performance: Analytical Tools for Characterization and Enhancement <u>F.-M. Matysik, Regensburg/DE</u> , J. Eidenschink, Regensburg/DE, J. Scharf, München/DE, S. Schöne-meier, München/DE	03:00 p.m. - 03:30 p.m.
L07	Lanthanide-based multi-element nanoparticles - a versatile platform for surface chemistry analysis and potential reference materials <u>E. Andresen, Berlin/DE</u> , J. Deumer, Berlin/DE, R. Schürmann, Berlin/DE, C. Gollwitzer, Berlin/DE, U. Resch-Genger, Berlin/DE	03:30 p.m. - 03:50 p.m.
L08	Post-Consumer Recycled Plastics in Food Contact Applications: Characterization and Safety Assessment <u>A. Hochegger, Graz/AT</u> , E. Hecht, Graz/AT, F. Wagner-Hackl, Graz/AT, E. Leitner, Graz/AT	03:50 p.m. - 04:10 p.m.
L09	The Shortcut to Novel Materials for Atomic Layer Deposition via Comprehensive Thermal Analysis <u>C. Körber, Darmstadt/DE</u> , E. Kyris, Darmstadt/DE	04:10 p.m. - 04:30 p.m.

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03:00 p.m. - 04:30 p.m.

Atomic & Laser Spectroscopy 1

Lecture Hall 2

Session Chair: B. Meermann

Keynote

Fresenius Lectureship 2024-2026

KN04	Expanding the Elemental and Isotopic Toolbox in Support of the Sustainable Development Goals <u>J. Irrgeher, Leoben/AT</u>	03:00 p.m. - 03:30 p.m.
L10	Lithium isotope fractionation as a diagnostic tool for aging lithium-ion batteries <u>C. Abad, Berlin/DE</u>	03:30 p.m. - 03:50 p.m.
L11	Identification and quantification of microplastics in environmental and food samples by a combination of optical microscopy and Raman microspectroscopy <u>D. Fischer, Dresden/DE</u> , R. Lenz, Dresden/DE, K. Enders, Dresden/DE, M. Schumacher, Dresden/DE, J. Lötsch, Dresden/DE	03:50 p.m. - 04:10 p.m.
L12	Optimization and Performance Assessment of a Microwave Inductively Coupled Atmospheric Pressure Plasma Mass Spectrometer for Isotope Ratio Measurements <u>P. Seena Prem, Berlin/DE</u> , Jochen Vogl, Berlin/DE, Martin Rosner, Berlin/DE, Alexander Winckelmann, Berlin/DE	04:10 p.m. - 04:30 p.m.

04:30 p.m. - 06:00 p.m.

Networking & Coffee Break

Breaks

04:30 p.m. - 06:00 p.m.

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04:45 p.m. - 05:45 p.m.

General Assembly Working Group Separation Science

Lecture Hall 9

04:45 p.m. - 05:45 p.m.

General Assembly Working Group Analytical Spectroscopy
(DAAS)

Lecture Hall 8

04:45 p.m. - 05:45 p.m.

General Assembly Working Group Chemo- & Biosensors

Lecture Hall 1

04:45 p.m. - 05:45 p.m.

General Assembly Working Group Chemometrics & Quality
Assurance

Lecture Hall 2

04:45 p.m. - 05:45 p.m.

General Assembly Working Group Electrochemical Analytical
Methods (ELACH)

Lecture Hall 14

04:45 p.m. - 05:45 p.m.

06:00 p.m. - 06:45 p.m.

Plenary Lecture 2

Auditorium Maximum

R. Zenobi

Session Chair: D. Belder

Plenary

PL02

Nanoscale Chemical Imaging using Tip-Enhanced Raman
Spectroscopy

R. Zenobi, Zürich/CH

06:00 p.m. - 06:45 p.m.

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07:00 p.m. - 10:00 p.m.

Welcome Reception

in the Foyer of the Augusteum

Exhibition & Events

07:00 p.m. - 10:00 p.m.

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Monday, March 10, 2025 - Thursday, March 13, 2025, Leipzig

Tuesday, March 11, 2025

09:00 a.m. - 09:45 a.m.

Award Ceremony of the Clemens-Winkler-Medal
Clemens-Winkler-Medal Awardee: W. Lindner
Laudatio: M. Lämmerhofer

Auditorium Maximum

09:00 a.m. - 09:45 a.m.

09:45 a.m. - 10:30 a.m.

Networking & Coffee Break

Breaks

09:45 a.m. - 10:30 a.m.

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Monday, March 10, 2025 - Thursday, March 13, 2025, Leipzig

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10:30 a.m. - 11:50 a.m.

Imaging Methods 1

Lecture Hall 2

Session Chair: S. Karst

L22	Elevating lipid identification confidence in MS imaging with mzmine <u>A. Korf, Bremen/DE</u> , S. Heuckeroth, Bremen/DE, R. Schmid, Bremen/DE, T. Pluskal, Prague/CZ, U. Karst, Münster/DE, H. Hayen, Münster/DE	10:30 a.m. - 10:50 a.m.
L23	Combined AFM micro-indentation and MALDI MSI for correlation of mechanics and composition of menisci <u>A. L. Lebedeva, Vienna/AT</u> , M. Handelshauser, Vienna/AT, B. Hager, Vienna/AT, S. Trattnig, Vienna/AT, L. Hirtler, Vienna/AT, M. M. Schreiner, Vienna/AT, O. G. Andriotis, Vienna/AT, M. Marchetti-Deschmann, Vienna/AT, P. J. Thurner, Vienna/AT	10:50 a.m. - 11:10 a.m.
L24	Thickness determination of wet soft matter systems using micro X-ray Fluorescence Spectrometer <u>R. Müller, Ulm/DE</u> , P. Kulinski, Ulm/DE, K. Leopold, Ulm/DE	11:10 a.m. - 11:30 a.m.
L25	Advancing Upconversion Nanoparticle Surface Chemistry for Bioanalytics: Colloidal Stability, Tunable Surface Charge, and Versatile Functionalization for Cellular Imaging Applications <u>N. Weitzel, Regensburg/DE</u> , T. Hirsch, Regensburg/DE	11:30 a.m. - 11:50 a.m.

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10:30 a.m. - 12:00 p.m.

Clinical Analysis

Lecture Hall 9

Session Chair: S. Zimmermann

Keynote

KN05	Clinical mass spectrometry for patient care-translation from research to clinical application. <u>U. Ceglarek, Leipzig/DE</u>	10:30 a.m. - 11:00 a.m.
L13	Comprehensive Characterization of Metabolites and Lipids in Biological Fluids from Drug-Impaired Drivers using Supercritical Fluid Chromatography Mass Spectrometry with Orthogonal Ionization and Fragmentation Techniques <u>P. Mueller, Geneva/CH</u> , S. König, Bern/CH, G. Hopfgartner, Geneva/CH	11:00 a.m. - 11:20 a.m.
L14	Catching breath: Targeting exhaled breath condensate (EBC) via gas-phase electrophoresis (nES GEMMA instrumentation) <u>V. U. Weiss, Vienna/AT</u> , M. Z. Miskovic, Zagreb/HR, Petr Kuban, Brno/CZ, S. Lado, Vienna/AT, C. Steininger, Vienna/AT, M. Marchetti-Deschmann, Vienna/AT	11:20 a.m. - 11:40 a.m.
L15	Enhancing primary newborn screening for congenital adrenal hyperplasia with LC-MS ³ Methodology <u>A. Gaudl, Leipzig/DE</u> , L. Lehmicke, Leipzig/DE, R. Biemann, Leipzig/DE, U. Ceglarek, Leipzig/DE	11:40 a.m. - 12:00 p.m.

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10:30 a.m. - 12:00 p.m.

Hyphenated Techniques 1

Lecture Hall 8

Session Chair: H. Hayen

Keynote

KN06	Breaking Boundaries in Separation Science: Coupling Ion Mobility Mass Spectrometry and comprehensive Two-Dimensional Liquid Chromatography <u>O. J. Schmitz, Essen/DE</u>	10:30 a.m. - 11:00 a.m.
L16	A Novel Pinhole Emitter Chip for Micro SFC-MS with Integrated Dilution-Free Fluidic Back-Pressure Regulation <u>J. Schwieger, Leipzig/DE</u> , C. Weise, Leipzig/DE, D. Belder, Leipzig/DE	11:00 a.m. - 11:20 a.m.
L17	Detailed characterization of mAb charge variants by native CZE coupled to MS under native and denaturing nanoESI conditions <u>A.-K. Schwenzer, Aalen/DE</u> , C. Neusüß, Aalen/DE	11:20 a.m. - 11:40 a.m.
L18	Novel TD-SICRIT®-MS Lipidomic Analysis of Fingerprints <u>C. Conway, Augsburg/DE</u>	11:40 a.m. - 12:00 p.m.

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10:30 a.m. - 12:00 p.m.

Aerosol Analysis

Lecture Hall 1

Session Chair: T. Hoffmann

Keynote

KN07	Atmospheric Analytical Chemistry uncovers and links Compositions and Processes <u>H. Herrmann, Leipzig/DE</u>	10:30 a.m. - 11:00 a.m.
L19	Multi-wavelength Thermal-optical Carbon Analysis with Photoionization Mass Spectrometry for Fine Particulate Matter Analysis: Combining Air Quality Standard Monitoring with Advanced Chemical Speciation from a Single Filter <u>M. Bauer, Rostock/DE</u> , H. Czech, Rostock/DE, U. Etzien, Rostock/DE, J. Bendl, Munich/DE, T. Streibel, Rostock/DE, T. Adam, Munich/DE, B. Buchholz, Munich/DE, O. Sippula, Kuopio/FI, R. Zimmermann, Rostock/DE	11:00 a.m. - 11:20 a.m.
L20	Chemical and Physical Characterization of Emissions – Taking the Step from Lab to Real-World Ship Emissions. <u>T. Gröger, Munich/DE</u> , N. Gawlitta, Copenhagen/DK, D. Shukla, Rostock/Munich/DE, S. Piel, Rostock/Munich/DE, H. Czech, Rostock/Munich/DE, H. Osterholz, Warnemuende/DE, J. Hovorka, Prague/CZ, T. Adam, Munich/DE, R. Zimmermann, Rostock/Munich/DE	11:20 a.m. - 11:40 a.m.
L21	Drones as flying measurement platforms: real-time analysis and sampling strategies for airborne trace components <u>N. Karbach, Mainz/DE</u> , A. Rabe, Mainz/DE, N. Bobrowski, Nicolosi/IT, B. Geil, Mainz/DE, T. Hoffmann, Mainz/DE	11:40 a.m. - 12:00 p.m.

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12:00 p.m. - 01:30 p.m.

Individual Lunch Break

Breaks

12:00 p.m. - 01:30 p.m.

12:15 p.m. - 01:00 p.m.

Lunch Seminar from Plasmion

Lecture Hall 8

Exploring the SICRIT® Universe: Applications at
Lightspeed
[J. Bucek, Augsburg/DE](#)

12:15 p.m. - 01:00 p.m.

Lunch Seminar from Shimadzu

Lecture Hall 1

Science Meets Sensation: Unveiling the Chemistry of G & T
[E. Leitner, Graz/AT](#)

12:15 p.m. - 01:00 p.m.

12:15 p.m. - 01:30 p.m.

Hochschullehrenden-Treffen

Lecture Hall 2

12:15 p.m. - 01:30 p.m.

01:30 p.m. - 03:00 p.m.

Poster Session I (even poster board numbers)

Postersession in the
Paulinum
01:30 p.m. - 03:00 p.m.

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03:00 p.m. - 04:30 p.m.

Analytical Separation Techniques 2 / Gerhard-Hesse Award

Lecture Hall 9

Session Chair: M. Vogel

Keynote

Gerhard-Hesse Award

KN08	The fascinating world of liquid chromatography – The journey still continues! <u>T. Teutenberg, Duisburg/DE</u>	03:00 p.m. - 03:30 p.m.
L26	In-line coupling of asymmetrical-flow field-flow fractionation with small angle Xray scattering (AF4-SAXS) for the quantitative size-resolved characterization of mRNA nanoparticles <u>F. Meier, Landsberg am Lech/DE</u>	03:30 p.m. - 03:50 p.m.
L27	O-glycomics: ion mobility vs liquid chromatography <u>G. Vos, Berlin/DE</u> , L. Bechtella, Paris/FR, M. Safferthal, Berlin/DE, K. Pagel, Berlin/DE	03:50 p.m. - 04:10 p.m.
L28	There is Plenty of Room at the Bottom: Rethinking Gas Chromatography <u>E. Rosenberg, Vienna/AT</u> , B. Klampfl, Vienna/AT, S. Wöhrer, Vienna/AT, R.D. Müller, Vienna/AT	04:10 p.m. - 04:30 p.m.

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03:00 p.m. - 04:30 p.m.

Food Analysis

Lecture Hall 8

Session Chair: T. Reemtsma

Keynote

KN09	Novel strategies for the control and analysis of mycotoxins and other emerging chemical contaminants in food and feed <u>R. Krska, Tulln/AT, S. Freitag, Tulln/AT, A. Kohler, As/NO, L. Kenjeric, Tulln/AT, B. Mizaikoff, Ulm/DE, M. Suman, Parma/IT, G. Salentijn, Wageningen/NL, M. Sulyok, Tulln/AT, C. Elliott, Belfast/IE</u>	03:00 p.m. - 03:30 p.m.
L29	“Green” volatilomics in quality control: HS-GC-IMS in combination with machine learning for analysis of complex food samples <u>L. Bodenbender, Mannheim/DE, S. Rohn, Berlin/DE, P. Weller, Mannheim/DE</u>	03:30 p.m. - 03:50 p.m.
L30	Determination of Glycosidic Linkages and Sulphate Substitution of Fucose in the Algal Polymer Fucoidan by Methylation Analysis <u>S. Böhmendorfer, Vienna/AT, M. N. G. Amin, Surabaya/ID, P. Mischnick, Braunschweig/DE, T. Rosenau, Vienna/AT</u>	03:50 p.m. - 04:10 p.m.
L31	Quantitative LC-MS analysis of mycotoxins in plant-based protein isolates <u>S. Miladinovi , Sion/CH, R Gabioud, Sion/CH</u>	04:10 p.m. - 04:30 p.m.

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03:00 p.m. - 04:30 p.m.

Sample Preparation

Lecture Hall 1

Session Chair: W. Engewald

Keynote

KN10	Greening sample preparation in the analysis of organic pollutants and microplastic <u>T. C. Schmidt, Essen/DE</u> , M. Wenzel, Duisburg/DE, L. K. Tintrop, Essen/DE, A. Salemi, Essen/DE, M. A. Jochmann, Essen/DE, G. Renner, Essen/DE, J. Schram, Krefeld/DE, J. Türk, Essen/DE	03:00 p.m. - 03:30 p.m.
L32	Studying cationic liposomes for quick, simple, and effective nucleic acid preconcentration and isolation <u>R. Grünberger, Regensburg/DE</u> , A. J. Baeumner, Regensburg/DE	03:30 p.m. - 03:50 p.m.
	Lecture 33 canceled	03:50 p.m. - 04:10 p.m.
L34	Greener and Easier Sample Preparation for Trace Element Quantification in Biological Samples <u>S. Hauser, Ulm/DE</u> , J. Karletshofer, Ulm/DE, M. Veit, Ulm/DE, K. Leopold, Ulm/DE	04:10 p.m. - 04:30 p.m.

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03:00 p.m. - 04:30 p.m.

Mass Spectrometry

Lecture Hall 2

Session Chair: R. Zimmermann

Keynote

KN11	Comprehensive Liquid Chromatography x Differential Mobility Spectrometry - Mass Spectrometry for the Characterization of Metabolites and Glycopeptides <u>G. Hopfgartner, Geneva/CH</u> , L. Ekmekciu, Geneva/CH, C. Jacquet, Geneva/CH	03:00 p.m. - 03:30 p.m.
L35	LC-HRMS Screening of Tire Wear Particle Exposure in Marine Mussels: A Target, Suspect, and Non-Target Approach <u>A. G. Foscari Widmann Rezzonico, Barcelona/ES</u> , B. Seiwert, Leipzig/DE, R. Mowafy, Leipzig/DE, B. De Witte, Brussels/BE, D. Herzke, Oslo/NO, D. Delbare, Brussels/BE, T. Reemtsma, Leipzig/DE, G. Blanco Heras, Vigo/ES	03:30 p.m. - 03:50 p.m.
L36	High-Resolution Accurate Mass based- Untargeted metabolomics: comparison of sensitivity and reproducibility across Data-Dependent and Data-Independent Acquisition modes, and AcquireX <u>H. El Boudlali, Leipzig/DE</u> , L. Lehmicke, Leipzig/DE, U. Ceglarek, Leipzig/DE	03:50 p.m. - 04:10 p.m.
L37	Rapid Identification of New Psychoactive Substances by LA-APCI-MS <u>M. Wesner, Münster/DE</u> , H. D. H. Rämisch, Münster/DE, J. Schmeinck, Münster/DE, L. Besch, Mainz/DE, U. Karst, Münster/DE	04:10 p.m. - 04:30 p.m.

04:30 p.m. - 05:00 p.m.

Networking & Coffee Break

Breaks

04:30 p.m. - 05:00 p.m.

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05:00 p.m. - 05:45 p.m.

Plenary Lecture 4
M. Marchetti-Deschmann

Auditorium Maximum

Session Chair: T. Reemtsma

Plenary

PL04

MS Imaging and Its Transformative Contributions to
Multimodal Imaging
M. Marchetti-Deschmann, Vienna/AT

05:00 p.m. - 05:45 p.m.

06:00 p.m. - 07:00 p.m.

General Assembly of the GDCh Division of Analytical Chemistry Auditorium Maximum
- Lecture Hall Auditorium Maximum

06:00 p.m. - 07:00 p.m.

08:00 p.m. - 10:00 p.m.

Meeting of the Young Analytical Chemists
of the GDCh Division of Analytical Chemistry

Exhibition & Events

Noels Ballroom
Kurt-Eisner-Str. 43
04275 Leipzig
Germany
<https://noels-ballroom.de/>
GoogleMaps

08:00 p.m. - 10:00 p.m.

ANAKON 2025

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Wednesday, March 12, 2025

09:00 a.m. - 09:45 a.m.

Award Ceremony for the “Division Award Analytical Chemistry” Auditorium Maximum
Arwardee: A. Retzmann
Plenary Lecture 5

Plenary

PL05	Advanced analytical procedures for isotopes: From cultural heritage to modern biomedicine <u>A. Retzmann, Calgary/CA</u>	09:00 a.m. - 09:45 a.m.
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09:45 a.m. - 10:30 a.m.

Networking & Coffee Break

Breaks

09:45 a.m. - 10:30 a.m.

ANAKON 2025

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10:30 a.m. - 12:00 p.m.

Atomic & Laser Spectroscopy 2

Lecture Hall 9

Session Chair: K. Leopold

Keynote

KN12	On- and at-line analysis in the processing procedures of geological materials using Micro-Discharge Optical Emission Spectroscopy <u>C. Vogt, Freiberg/DE</u> , B. Wiggershaus, Freiberg/DE, A. Roos, Oulu/FI	10:30 a.m. - 11:00 a.m.
L38	Innovation in Direct Solid Microanalysis Using Extreme Ultraviolet (XUV) Pulses <u>D. Bleiner, Dübendorf/CH</u>	11:00 a.m. - 11:20 a.m.
L39	RamanBioAssay™: rapid and precise antimicrobial susceptibility testing <u>M. Enghardt, Jena/DE</u> , R Grohs, Jena/DE, F Hornung, Jena/DE, A Silge, Jena/DE, C Reuter, Jena/DE, U Glaser, Jena/DE, S Tätzner, Jena/DE, O Ryabchikov, Jena/DE, S Deinhardt-Emmer, Jena/DE, B Löffler, Jena/DE, J Popp, Jena/DE	11:20 a.m. - 11:40 a.m.
L40	Novel HPLC Sensor integrating electrochemical assisted Surface-Enhanced Raman spectroscopy <u>M. E. Blaha, Leipzig/DE</u> , Julius Schwieger, Leipzig/DE, Rico Warias, Leipzig/DE, Detlev Belder, Leipzig/DE	11:40 a.m. - 12:00 p.m.

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10:30 a.m. - 12:00 p.m.

Water Analysis

Lecture Hall 8

Session Chair: T. C. Schmidt

Keynote

KN13	Element analytical approaches for emerging contaminant analysis - Materials meet Environment <u>B. Meermann, Berlin/DE</u>	10:30 a.m. - 11:00 a.m.
L41	Multi-target SFC methods for quantifying mobile chemicals in groundwater <u>T. Meier, Leipzig/DE</u> , V. Karabtsova, Leipzig/DE, A. Krause, Leipzig/DE, T. Reemtsma, Leipzig/DE, Q. Fu, Leipzig/DE	11:00 a.m. - 11:20 a.m.
L42	Compositional and Structural Analysis of Primary and Photo-Aged Scrubber Water Discharges from Ships Using Direct Infusion MS/MS and Online Liquid Chromatography and Fourier Transform Ion Cyclotron Resonance Mass Spectrometry <u>H. J. Hansen, Rostock/DE</u> , C. P. Rüger, Rostock/DE, E. Schneider, Rostock/DE, M. L. Chacón Patino, Tallahassee/US, R. Rodgers, Tallahassee/US, H. Czech, Rostock/DE, T. Streibel, Rostock/DE, R. Zimmermann, Rostock/DE	11:20 a.m. - 11:40 a.m.
L43	Fluorescence Spectroscopy as an Analytical Tool for Rapid and Sensitive Faecal Pigments Detection: From Fundamentals to Onsite Applications <u>S. Prakash, Berlin/DE</u> , Jérémy Bell, Berlin/DE, Knut Rurack, Berlin/DE	11:40 a.m. - 12:00 p.m.

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10:30 a.m. - 12:00 p.m.

Elemental Analysis and Specification

Lecture Hall 1

Session Chair: M. Wende

Keynote

KN14	Trace Element Speciation Analysis in Mushrooms <u>W. Goessler, Graz/AT</u>	10:30 a.m. - 11:00 a.m.
L44	On ICP-MS with Nanosecond Time Resolution: From Nanoparticles to Microplastics <u>C. Engelhard, Berlin&Siegen/DE</u> , A. Schardt, Siegen/DE, J. Schmitt, Siegen&Berlin/DE, K. Van Laerhoven, Siegen/DE, M. Kipping, Siegen/DE	11:00 a.m. - 11:20 a.m.
L45	Labelling of explosives with upconversion nanoparticles and analysis by means of single particle-ICP-MS <u>T. Steinwachs, Münster/DE</u> , T. D. Schachel, Wiesbaden/DE, S. Baumann, Regensburg/DE, T. Hirsch, Regensburg/DE, U. Karst, Münster/DE	11:20 a.m. - 11:40 a.m.
L46	The Link Between Merck and Your Mobile Devices: Driving Semiconductor Innovation with Advanced Elemental Analytical Techniques <u>S. Fingerhut, Darmstadt/DE</u> , K. Sommer, Darmstadt/DE, M. Steiner, Darmstadt/DE, T. Friedrich, Darmstadt/DE	11:40 a.m. - 12:00 p.m.

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10:30 a.m. - 12:00 p.m.

Chemo- & Biosensors 1

Lecture Hall 2

Session Chair: F. M. Matysik

Keynote

KN15	Biological nanopores for Single-Molecule Analysis <u>C. Cao, Geneva/CH</u>	10:30 a.m. - 11:00 a.m.
L47	SERS-active dendritic nanoplatfoms for therapeutic drug monitoring in human body fluids <u>A. Dwivedi, Jena/DE</u> , V. Sivakov, Jena/DE, S. F. El-Mashtoly, Jena/DE, J. Popp, Jena/DE, D. Cialla-May, Jena/DE	11:00 a.m. - 11:20 a.m.
L48	A quality control biosensor for the production of therapeutical viruses <u>J. Hutterer, Tübingen/DE</u> , P. Fechner, Tübingen/DE, A. Krauth, Tübingen/DE, G. Proll, Reutlingen/DE, G. Gauglitz, Tübingen/DE	11:20 a.m. - 11:40 a.m.
L49	Combining Expanded Polystyrene with Graphitic Carbon Nitride Quantum Dots for Lactic Acid Sensing in Human Saliva <u>A. Mujahid, Lahore/PK</u> , M. Asif, Lahore/PK, T. Hussain, Lahore/PK, A. Afzal, Lahore/PK	11:40 a.m. - 12:00 p.m.

12:00 p.m. - 01:30 p.m.

Individual Lunch Break

Breaks

12:00 p.m. - 01:30 p.m.

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12:15 p.m. - 01:00 p.m.

Deutsche Forschungsgemeinschaft – Funding Opportunities for
Early Career Researchers

Lecture Hall 8

12:15 p.m. - 01:00 p.m.

Lunch Seminar from Bruker

Lecture Hall 1

High Value Life Science Research and Diagnostics
Solutions

12:15 p.m. - 01:00 p.m.

E. Klein, Ettlingen/DE, I. Gerz, Ettlingen/DE, P. Diederich,
Bremen/DE

Lunch Seminar from TOSOH BIOSCIENCE

Lecture Hall 2

Ready for Future Therapeutics? New Bioanalysis Tools for
In-Depth Characterizations

12:15 p.m. - 01:00 p.m.

A. Krumm, Griesheim/DE

01:30 p.m. - 03:00 p.m.

Poster Session II (odd poster board numbers)

Postersession in the
Paulinum

01:30 p.m. - 03:00 p.m.

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03:00 p.m. - 04:30 p.m.

Hyphenated Techniques 2

Lecture Hall 9

Session Chair: R. Krska

Keynote

KN16	Deciphering the structural diversity of complex lipids by multidimensional analysis techniques <u>H. Hayen, Münster/DE</u> , E. Rudt, Münster/DE, J. Scholz, Münster/DE, V. Schwantes, Münster/DE, D. M. Wieland, Münster/DE	03:00 p.m. - 03:30 p.m.
L50	Ultra-High Throughput Electrospray Droplet Microfluidics Enabled by Ultra-Fast Ion Mobility Spectrometry <u>K. Welters, Leipzig/DE</u> , C. Thoben, Hannover/DE, A. Nitschke, Hannover/DE, T. Kobelt, Hannover/DE, J. Schwieger, Leipzig/DE, S. Zimmermann, Hannover/DE, D. Belder, Leipzig/DE	03:30 p.m. - 03:50 p.m.
L51	Reducing the false positive rate in LC-HRMS screening applications using trapped ion mobility mass spectrometry and prediction models <u>C. Huber, Leipzig/DE</u> , M. Krauss, Leipzig/DE, N. Ulrich, Leipzig/DE	03:50 p.m. - 04:10 p.m.
L52	Deciphering the lipidome of human lymphoma cells based on LC-MS/MS utilizing mobility resolved fragmentation <u>D. Wieland, Münster/DE</u> , Heiko Hayen, Münster/DE	04:10 p.m. - 04:30 p.m.

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Data Analysis

Lecture Hall 8

Session Chair: U. Panne

Keynote

KN17	Analytical Chemistry & Digitalization - Enabling the Transformations in Chemical Industry <u>J. Richert, Weinheim/DE</u>	03:00 p.m. - 03:30 p.m.
L53	Streamlining non-target LC-MS Data Analysis and Automatic Spectral Library Generation in mzmine <u>R. Schmid, Bremen/DE</u> , S. Heuckeroth, Bremen/DE, C. Brungs, Vienna/AT, A. Korf, Bremen/DE, T. Pluskal, Prague/CZ	03:30 p.m. - 03:50 p.m.
L54	Current challenges related to the analysis of non-target data in the chemical industry <u>P.-A. Schneide, Ludwigshafen/DE</u> , M. Silber, Ludwigshafen/DE, C. Erbacher, Ludwigshafen/DE, R. Fels-Brendel, Ludwigshafen/DE	03:50 p.m. - 04:10 p.m.
L55	qComponents: A Multidimensional Curve Fitting Approach for Unsupervised High-Quality Componentization of NTS Features <u>G. Renner, Essen/DE</u> , D. Höhn, Essen/DE, M. Reuschenbach, Duisburg/DE, T.C. Schmidt, Essen/DE	04:10 p.m. - 04:30 p.m.

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03:00 p.m. - 04:30 p.m.

Bioanalytics 1

Lecture Hall 1

Session Chair: M. Arlt

Keynote

Fresenius Lectureship 2024-2026

KN18	Infrared Spectroscopy in a Mass Spectrometer – Molecular Fingerprints for Omics Research <u>K. Pagel, Berlin/DE</u>	03:00 p.m. - 03:30 p.m.
L56	Chemical Metabolomics: Chemical Biology Tools to Explore Microbiome and Nutrition Metabolism <u>D. Globisch, Uppsala/SE, I. Tsiara, Uppsala/SE, A. Torregrosa Chinillach, Uppsala/SE, W. Lin, Uppsala/SE, W. Haberek, Uppsala/SE, V. Dovhalyuk, Uppsala/SE, F. Yang, Uppsala/SE, C. de Souza Anselmo, Uppsala/SE, L. Martin, Uppsala/SE</u>	03:30 p.m. - 03:50 p.m.
L57	Application of surface-enhanced Raman spectroscopic (SERS) sensing schemes in complex bio matrices – drug monitoring and biomarker detection <u>D. Cialla-May, Jena/DE, J. Popp, Jena/DE</u>	03:50 p.m. - 04:10 p.m.
L58	From Single Fluorophore Label to HRP Encapsulated Liposomes: Boosting the Sensitivity of an Aptamer Assay Targeting Urokinase Plasminogen Activator in Human Urine <u>F. Blaser, Regensburg/DE, C. Dobner, Regensburg/DE, N. Dreymann, Potsdam/DE, M. M. Menger, Potsdam/DE, A. Duerkop, Regensburg/DE, A. J. Baeumner, Regensburg/DE</u>	04:10 p.m. - 04:30 p.m.

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03:00 p.m. - 04:30 p.m.

Atomic & Laser Spectroscopy 3

Lecture Hall 2

Session Chair: C. Vogt

Keynote

KN19	Graphite Furnace Atomic Absorption Spectroscopy for Sizing of Metal-containing Nanoparticles <u>K. Leopold, Ulm/DE, Danke!.</u> Blaimer, Ulm/DE	03:00 p.m. - 03:30 p.m.
L59	Easy and yet so hard: ^{19}F NMR for PFAS <u>M. Vogtherr, Darmstadt/DE,</u> A. Marx, Darmstadt/DE	03:30 p.m. - 03:50 p.m.
	<u>Lecture canceled</u>	
	L60	03:50 p.m. - 04:10 p.m.
L61	Cryogenic messenger-tagging infrared spectroscopy of mass- and mobility-selected glycans <u>G. P. Szekeres, Berlin/DE,</u> J. Horlebein, Berlin/DE, J. Riedel, Berlin/DE, G. von Helden, Berlin/DE, K. Pagel, Berlin/DE	04:10 p.m. - 04:30 p.m.

04:30 p.m. - 05:00 p.m.

Networking & Coffee Break

Breaks

04:30 p.m. - 05:00 p.m.

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05:00 p.m. - 06:00 p.m.

Process & Quality

Lecture Hall 9

Session Chair: T. Teutenberg

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| L62 | Coffee Brew Approved by Mass Spectrometry: Predicting Flavors during the Roasting Process in Real-time
<u>H. Czech, Rostock/DE</u> , J. Heide, Schwerin/DE, S. Ehlert, Schwerin/DE, T. Kozirowski, Emmerich a. Rhein/DE, R. Zimmermann, Rostock/DE | 05:00 p.m. - 05:20 p.m. |
| L63 | Development of a Certified Reference Material for Technology Critical Elements in LED Scrap: Challenges and Solutions
<u>M. Oelze, Berlin/DE</u> , A. Jotanovic, Sarajevo/BA, J. Noireaux, Paris/FR, G. D'Agostino, Pavia/IT, J.P. Ghestem, Orleans/FR, D. Proefrock, Geesthacht/DE, R. Jaimovi, Ljubljana/SI, J. Irrgeher, Leoben/AT, S.T. Lancaster, Leoben/AT, A. Roethke, Braunschweig/DE, O. Rienitz, Braunschweig/DE, T. Sara-Aho, Helsinki/FI, O. Cankur, Gebze Kocaeli/TR | 05:20 p.m. - 05:40 p.m. |
| L64 | Metrological Traceability of (bio)analytical Results - Myths and Reality
<u>H. Emons, Jülich/DE</u> | 05:40 p.m. - 06:00 p.m. |

PFAS Analysis

Lecture Hall 8

Session Chair: J. Richert

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| L65 | Forever Chemicals of Tomorrow? Fate of Fluorinated Li-Ion Battery Additives
<u>J. Scholl, Berlin/DE</u> , Jan Lisec, Berlin/DE, Hajo Haase, Berlin/DE, Matthias Koch, Berlin /DE | 05:00 p.m. - 05:20 p.m. |
| L66 | Per and Polyfluoroalkyl Substances (PFAS): Analytics and Monitoring
<u>Q. Fu, Leipzig/DE</u> | 05:20 p.m. - 05:40 p.m. |
| L67 | Efficient Data Prioritization for Identification and Semi-Quantification in Nontarget Screening of PFAS
<u>C. Zwiener, Tübingen/DE</u> | 05:40 p.m. - 06:00 p.m. |

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05:00 p.m. - 06:00 p.m.

Imaging Methods 2

Lecture Hall 1

Session Chair: M. Marchetti-Deschmann

L68	Adsorption kinetic study of DOM on AgNPs interface using LDI-FT-ICR-MS <u>M. Gad, Leipzig/DE, O. Lechtenfeld, Leipzig/DE</u>	05:00 p.m. - 05:20 p.m.
L69	Tracing biomolecular fingerprints via surface enhanced Raman spectroscopy <u>J. Balachandran Nair, Jena Germany/DE</u>	05:20 p.m. - 05:40 p.m.
L70	MS imaging in drug development: The clinical-stage antibiotic BTZ043 accumulates and efficiently acts against Mycobacterium tuberculosis in murine tuberculosis lesions <u>A. Römpp, Bayreuth/DE, A Treu, Bayreuth/DE, J. Kokesch-Himmelreich, Bayreuth/DE, L Gröschel, Bayreuth/DE, F Marwitz, Borstel/DE, N Aboutara, Borstel/DE, D Schwudke, Borstel/DE, M Hölscher, München/DE, C Hölscher, Borstel/DE, K Walter, Borstel/DE</u>	05:40 p.m. - 06:00 p.m.

Chemo- & Biosensors 2

Lecture Hall 2

Session Chair: C. Cao

L71	Optical biosensor using free form prototyped elements for targeted explosives immunodetection <u>M. A. Hernández García, Berlin/DE, J. Bell, Berlin/DE, M. Weller, Berlin/DE, K. Rurack, Berlin/DE</u>	05:00 p.m. - 05:20 p.m.
L72	Fast and label-free rAAV2 capsid titre determination by reflectometry <u>A. Krauth, Tübingen/DE, P. Fechner, Tübingen/DE, J. Hutterer, Tübingen/DE, L. Mulder, Leiden/NL, G. Gauglitz, Tübingen/DE</u>	05:20 p.m. - 05:40 p.m.
L73	Advancing Short-Wave Infrared (SWIR) Emission: Optimizing AgS Quantum Dots for Biomedical Imaging and Sensing Applications <u>K. D. Wegner, Berlin/DE, B. H. Juarez, Madrid/ES, U. Resch-Genger, Berlin/DE</u>	05:40 p.m. - 06:00 p.m.

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06:15 p.m. - 07:00 p.m.

Plenary Lecture 6 U. Karst

Auditorium Maximum

Session Chair: D. Belder

Plenary

PL06

From humans to the environment and back? Hyphenated techniques to study the fate of metal species in the body and the environment

06:15 p.m. - 07:00 p.m.

U. Karst, Münster/DE, M. Macke, Münster/DE, M. Athmer, Münster/DE, P. Bücken, Münster/DE, C.D. Quarles, Omaha/US, M. Sperling, Münster/DE

07:30 p.m. - 11:00 p.m.

Conference Dinner

Exhibition & Events

Moritzbastei
Kurt-Masur-Platz 1
04109 Leipzig
Germany
<https://www.moritzbastei.de>
GoogleMaps

07:30 p.m. - 11:00 p.m.

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09:00 a.m. - 09:45 a.m.

Plenary Lecture 7
N. Pamme

Auditorium Maximum

Session Chair: D. Belder

Plenary

PL07

Chemical sensing of nutrients and metals for on site
environmental analysis by citizen scientists
N. Pamme, Stockholm/SE

09:00 a.m. - 09:45 a.m.

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10:00 a.m. - 11:30 a.m.

Analytical Separation Techniques 3

Lecture Hall 9

Session Chair: U.Ceglarek

Keynote

KN20	Electric Fields to Tame Ionic Analytes - Best Practice Examples with Capillary Electrophoresis <u>C. Huhn, Tübingen/DE</u> , L. Ude, Tübingen/DE, P.A. Kler, Santa Fe/AR, Nico Franck, Santa Fe/AR, L. Engelbart, Tübingen/DE, S. Bieger, Tübingen/DE, S. Bock, Tübingen/DE, N. Kalinke, Tübingen/DE, S. Hertweck, Tübingen/DE, H.G. Graf, Tübingen/DE, B. Wimmer, Tübingen/DE, S. Knoll, Tübingen/DE, T. Rösch, Tübingen/DE, M. Pattky, Tübingen/DE	10:00 a.m. - 10:30 a.m.
L74	Challenges in Polymer Analysis for Regulatory Needs <u>F. Lünne, Ludwigshafen/DE</u> , R. Gerhardt, Ludwigshafen/DE, T.F. Beskers, Ludwigshafen/DE, N. Hartner, Ludwigshafen/DE	10:30 a.m. - 10:50 a.m.
L75	Investigation of Greener Solvents for HPLC <u>F. Michel, Taufkirchen/DE</u> , B. Peters, Darmstadt/DE, G. Jung, Darmstadt/DE, A. Pieper, Darmstadt/DE, P. Knoell, Darmstadt/DE	10:50 a.m. - 11:10 a.m.
L76	Comparing Possibilities of Capillary Electrophoresis Hyphenated to Amperometric Detection and Differential Pulse Voltammetry for Nicarbazin Determination in Poultry Feed Samples <u>M. Koall, Regensburg/DE</u> , S. Ivakh, Prague/CZ	11:10 a.m. - 11:30 a.m.

Environmental Analysis

Lecture Hall 8

Session Chair: T. Reemtsma

KN21	Advanced on-line Single-Particle Mass Spectrometry (SPMS) for investigation of the chemical composition and mixing state of wildfire emission aerosols <u>R. Zimmermann, Rostock/DE</u>	10:00 a.m. - 10:30 a.m.
L77	Characterization of the EPS of the invasive diatom <i>Didymosphenia geminata</i> <u>L. Dütsch, Freiberg/DE</u> , E. Brendler, Freiberg/DE, J. Zuber, Freiberg/DE, C. Vogt, Freiberg/DE	10:30 a.m. - 10:50 a.m.

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L78	Using Dual Fluorescent Molecularly Imprinted Particles Coupled with a Miniaturized Opto-Microfluidic Platform for On-Site Detection of Perfluoroalkyl Carboxylic Acids <u>K. Gawlitza, Berlin/DE</u> , V. Pérez-Padilla, Berlin/DE, Y. Sun, Berlin/DE, V. Valderrey, Berlin/DE, J. Bell, Berlin/DE, K. Rurack, Berlin/DE	10:50 a.m. - 11:10 a.m.
L79	Environmental Transformation of Organic Pollutants Investigated by Electrochemistry-Mass Spectrometry <u>V. Göldner, Vienna/AT</u> , M. Speitling, Limburgerhof/DE, U. Karst, Münster/DE, T. Hofmann, Vienna/AT	11:10 a.m. - 11:30 a.m.

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10:00 a.m. - 11:30 a.m.

Spectroscopy and Spectrometry

Lecture Hall 1

Session Chair: C. Engelhard

Keynote

DAAS Award

KN22	Advanced Quantum Cascade Laser Infrared Attenuated Total Reflection Spectroscopy <u>A. Teuber, Ulm/DE</u>	10:00 a.m. - 10:30 a.m.
L80	Structural studies of Amyloid- peptide oligomers at oligomer-specific resolution <u>N. Österlund, Berlin/DE</u> , B. Strodel, Düsseldorf/DE, K. Pagel, Berlin/DE	10:30 a.m. - 10:50 a.m.
L81	Advances in Laser- and Lamp-based Photoionization High Resolution Mass Spectrometry: Novel Insights in Complex Mixtures in Energy and Environmental Research <u>C. P. Rüger, Rostock/DE</u> , A. Neumann, Rostock/DE, F. Etscheidt, Rostock/DE, S. Vesga-Martínez, Rostock/DE, O. Tiemann, Rostock/DE, P. Kösling, Rostock/DE, C. Schwarz, Rostock/DE, S. Ehlert, Rostock/DE, T. Streibel, Rostock/DE, R. Zimmermann, Rostock/DE	10:50 a.m. - 11:10 a.m.
L82	Formation, Characterisation and Disassembly of Metallosupramolecular Complexes in vacuo <u>N. Geue, Manchester/GB</u> , T. S. Bennett, Manchester/GB, A. Arama, Manchester/GB, D. Gopalakrishnan, Stuttgart/DE, L. A. I. Ramakers, Manchester/GB, J. Han, Stuttgart/DE, S. Huang, Stuttgart/DE, G. A. Timco, Manchester/GB, E. J. L. McInnes, Manchester/GB, P. B. Armentrout, Salt Lake City/US, K. Anggara, Stuttgart/DE, N. A. Burton, Manchester/GB, R. E. P. Winpenny, Manchester/GB, P. E. Barran, Manchester/GB	11:10 a.m. - 11:30 a.m.

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System Integration & Miniaturization 2

Lecture Hall 2

Session Chair: J. P. Kutter

Keynote

KN23	2LabsToGo – the age of proactive non-target analysis has begun <u>G. Morlock, Giessen/DE</u> , W. Schwack, Giessen/DE, K. Jakob, Giessen/DE, M. Ochoa Romero, Giessen/DE	10:00 a.m. - 10:30 a.m.
L83	Development of an automated platform for monitoring microfluidic reactors through multi-reactor integration and online (chip-)LC/MS-detection <u>H. Westphal, Leipzig/DE</u> , S. Lama, Leipzig/DE, S Schmidt, Leipzig/DE, R. Warias, Leipzig/DE, T. Gulder, Saarbruecken/DE, D. Belder, Leipzig/DE	10:30 a.m. - 10:50 a.m.
L84	The Potential of Material Acceleration Platforms (MAPs) for Exploring Complex Parameter Spaces in Corrosion Science <u>Ö. Özcan Sandikcioglu, Berlin/DE</u> , A.R. Hazem, Berlin/DE, M. Ozan, Berlin/DE, J. Witt, Berlin/DE	10:50 a.m. - 11:10 a.m.
L85	MicroPhase: An Open-Source Flexible Ultrasonic Phased Array Based on Microcontrollers <u>Y. You, Berlin/DE</u>	11:10 a.m. - 11:30 a.m.

11:30 a.m. - 11:50 a.m.

Networking & Coffee Break

Breaks

11:30 a.m. - 11:50 a.m.

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11:50 a.m. - 12:50 p.m.

Bioanalytics 2

Lecture Hall 9

Session Chair: K. Pagel

L86	Position-Specific Isotope Analysis of Serine Using ESI-Orbitrap <u>M. Elsner, Garching/DE</u> , L. Prechtel, Garching/DE	11:50 a.m. - 12:10 p.m.
L87	High-performance thin-layer chromatography coupled with direct analysis in real time high-resolution mass spectrometry as rapid screening technique for 5-reductase inhibitors <u>S. Roling, Giessen/DE</u> , U. Bock, Tawern/DE, G. Morlock, Giessen/DE	12:10 p.m. - 12:30 p.m.
L88	Quantitative enantioselective analysis of oxylipins by multiple heart-cutting 2D LC-MS/MS <u>N. Kampschulte, Wuppertal/DE</u> , R. Kirchhoff, Wuppertal/DE, A. Löwen, Wuppertal/DE, N. H. Schebb, Wuppertal/DE	12:30 p.m. - 12:50 p.m.

Surface Analysis

Lecture Hall 8

Session Chair: R. Zenobi

L89	Correlated Nanoscale Analysis of Virions <u>V. Deckert, Jena/DE</u>	11:50 a.m. - 12:10 p.m.
L90	Mechanistic Understanding of Oxygen Activation on Bulk Au(111) Surface using Tip-enhanced Raman Spectroscopy <u>N. Kumar, Zurich/CH</u>	12:10 p.m. - 12:30 p.m.
L91	Quantifying the Total and Accessible Number of Surface Functional Groups and Ligands on Engineered Nanomaterials Using a Multimodal Approach <u>I. Tavernaro, Berlin/DE</u> , A. Matiushkina, Berlin/DE, P. C. Sander, Berlin/DE, U. Resch-Genger, Berlin/DE	12:30 p.m. - 12:50 p.m.

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11:50 a.m. - 12:50 p.m.

Hyphenated Techniques 3

Lecture Hall 1

Session Chair: G. Hopfgartner

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| L92 | Techniques for enhancing the quantitative analysis of PFAS
<u>S. Buckenmaier, Waldbronn/DE</u> , Christina Riemenschneider, Feiburg/DE, Alexander Schächtele, Feiburg/DE, Susanne Sölter, Waldbronn/DE | 11:50 a.m. - 12:10 p.m. |
| L93 | Rapid analysis of arsenic-containing pigments in historic book bindings using LA-ICP-MS
<u>J. Schmeinck, Münster/DE</u> , U. Karst, Münster/DE | 12:10 p.m. - 12:30 p.m. |
| L94 | LA-MC-ICPMS analysis of Cu isotopes in biological material
<u>M. Schannor, Berlin/DE</u> , M. Oelze, Berlin/DE, H. Traub, Berlin/DE, Y. He, Berlin/DE, R. Schmidt, Berlin/DE, L.J. Savic, Berlin/DE, J. Vogl, Berlin/DE, B. Meermann, Berlin/DE | 12:30 p.m. - 12:50 p.m. |

Microplastics Residues

Lecture Hall 2

Session Chair: G. Morlock

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|-----|---|-------------------------|
| L95 | Sorption and Desorption of Polycyclic Aromatic Hydrocarbons to and from Polydisperse Micro- and Nanoplastics
<u>A. Roloff, Berlin/DE</u> , E. E. Emecheta, Berlin/DE, P. M. Pfohl, Ludwigshafen/DE, W. Wohlleben, Ludwigshafen/DE, A. Haase, Berlin/DE | 11:50 a.m. - 12:10 p.m. |
| L96 | Microplastic analysis by complementary analytical techniques: μ -FTIR and pyrolysis GC-MS
<u>T. Omara, Tulln/AT</u> , B.M. Benetková, Tulln/AT, T. Rosenau, Tulln/AT, C.B. Nagawa, Kampala/UG, S. Böhmdorfer, Tulln/AT | 12:10 p.m. - 12:30 p.m. |
| L97 | New Mass Balance Approach for the Microplastics Analysis in Environmental Samples - An ETV/ICP-MS-Based Fast Screening Method
<u>V. M. Scharek, Berlin/DE</u> | 12:30 p.m. - 12:50 p.m. |

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01:00 p.m. - 01:45 p.m.

Plenary Lecture 8 U. Panne

Auditorium Maximum

Session Chair: T. Reemtsma

Plenary

PL08

The Twin Transition of Analytical Sciences
U. Panne, Berlin/DE

01:00 p.m. - 01:45 p.m.

01:45 p.m. - 02:45 p.m.

Poster Award, Farewell, Invitation to ANAKON 2027

Auditorium Maximum

Session Chair: D. Belder, T. Reemtsma

01:45 p.m. - 02:45 p.m.