Final Poster Programme Monday - Session 1

Mo 1	**Sergio José Abellán Martín**	Deep eutectic solvents as green extractant phase for the elemental analysis of edible oils by microwave plasma atomic emission spectrometry
Mo 2	**Anda Abola**	Stability of low temperature plasma radiation in high frequency electrodeless light sources
Mo 3	**Żaneta Arciszewska**	Determination of lanthanides in food samples by ICP-MS after their initial preconcentration on functionalized mesoporous silica materials
Mo 4	**Bruna Moreira Freire**	Comparison of Se nanoparticles and selenite effects on As, Pb and Se uptake and accumulation rice seedlings
Mo 5	**Lukas Brunnbauer**	Characterization of the corrosion behavior of copper in sulfur-containing environments using LA-ICP-MS and LIBS
Mo 6	**Katrin Loeschner**	Determination of Aluminium in Food by ICP-MS: Influence of Microwave Digestion Parameters on the Recovery
Mo 7	**Michail Ioannis Chronakis**	MDG-ICP-tof-MS: A Versatile Tool for Quantification in the field of Single Particle ICP-MS Using Isotopic Dilution
Mo 8	**Alfredo Diaz**	ICP-MS determination of Rubidium, a useful technique as a water leaks tracer in drinking water systems
Mo 9	**Paula García Cancela**	Evaluation of the use of selenium nanoparticles and selenized yeast extracts to treat cell ferroptosis using single cell strategies
Mo 10	**Beata Godlewska-Żyłkiewicz**	Development of ICP-MS method for studies of gadolinium accumulation of in human cell lines
Mo 11	**Jonggu Han**	Rotational, vibrational and excitation temperatures of low-pressure nitrogen plasma
Mo 12	**Jitka Hegrová**	ICPMS/MS dteremination of Cr, Ni and Zn bioacumulation in cells of Green Alga Desmosesmus Subspicatus and their toxicity
Mo 13	**Uwe Karst**	Single Cell- and Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry Techniques for Studying the Uptake of Gadolinium Based Contrast Agents in Chlamydomonas reinhardtii Algae and Arabidopsis Thaliana
Mo 14	**Norbert Kavasi**	Mass spectrometry methods for Sr-90 determination in environmental samples
Mo 15	**Markus Michaelis**	How high-temperature microwave acid digestion can turbo-charge ICP-OES or ICP-MS analysis of heavy petroleum products
Mo 16	**Paraskevi Oikonomou**	Detection of post-fire soil contamination using inductively coupled plasma-mass spectrometry (ICP-MS) in wildfire affected areas in Greece
Mo 17	**Silvana Oliveira**	Multielement quantification of intrinsic elements in single cells of snow algae by SC-ICP-ToF-MS

Mo 18	**Miguel Ángel Aguirre**	A promising tool for elemental analysis — the role of multinebulizers
Mo 19	**Ágota Ragyák**	The effect of Farnesol and Tyrosol treatment for the intracellular metal content of Candida auris
Mo 20	**Adam Revill**	Evaluation of Indium and Tantalum Secondary Cathodes for Silicon Carbide Analysis Using the Nu Astrum GD-MS
Mo 21	**Vasiliy Rosen**	Determination of total iodine using ICP-MS in Israeli bottled and tap water: method development and application
Mo 22	**Zsófi Sajtos**	The elemental analysis if the mummies of Vác, Hungary
Mo 23	**Sandro Spiller**	Application advantages of a hr-array icp-oes for the trace analysis of copper ore
Mo 24	**Chady Stephan**	Direct analysis of trace elements in seawater using icp-ms with versatile reaction modes
Mo 25	**Ciprian Stremtan**	Cryogenic cave carbonates by high resolution LA ICP TOF MS imaging – from understanding genesis to documenting ancient anthropogenic air pollution
Mo 26	**Ed Mccurdy**	High Accuracy Standard Addition ICP-MS Analysis of Elemental Impurities in Electrolyte Salts Used for Lithium-Ion Batteries
Mo 27	**Mesay Wolle**	Method Development for the Determination of Vitamin B12 in Infant Formulas
Mo 28	**Tristan Zimmermann**	Elemental fingerprint analysis of (micro) plastics via ICP-MS/MS – A possible tool for source tracing?
Mo 29	**Katja Montan**	In-Depth Analytics by High-Throughput ICP-MS
Mo 30	**Donata Bandoniene**	Challenges in sample preparation of carbon-rich samples of natural, geogenic and technological origin
Mo 31	**Marcos Barrera Parrilla**	Trends in Nebulization Strategies. Multiple Inlet Nebulizer. Multineb®
Mo 32	**Neri Bonciani**	Elemental analysis of co-produced wastewater from the Danish chalk reservoirs: traces in a complex matrix
Mo 33	**Erica Cahoon**	Improved Workflow and Throughput for Particle Counting and Wear Metals Analysis coupling ICP-OES with a Liquid Particle Counter
Mo 34	**Guillermo Grindlay**	The acid matrix effects strike back: Evaluation of sulfur, phosphorus and chlorine influence on the analyte emission signal in inductively coupled plasma optical emission spectrometry
Mo 35	**Manuel Heinelt**	Analysis of polycyclic aromatic hydrocarbons with surface-assisted flowing atmospheric-pressure afterglow mass spectrometry (SA-FAPA-MS)

Mo 36	**Björn Meermann**	Deciphering microbiological influenced corrosion processes on steel with single cell-ICP-tof-MS
Mo 37	**Cristina Méndez-López**	Spatial positioning of the re-excitation laser focusing spot in an orthogonal double pulse fs/ns-LIBS configuration
Mo 38	**Michael Petrich**	Do We Still Have to Worry about Interferences in ICP-MS?
Mo 39	**Peio Riss**	Innovative technologies in quadrupole ICP-MS for the determination of ultra-trace levels of As and Se
Mo 40	**Iouri Kalinitchenko**	Plasma propagation through ICPMS interface. Multipin Langmuir Probe measurements of ion beam extraction
Mo 41	**Désirée Anna-Maria Schütz**	Direct analysis of amino acids with surface-assisted flowing atmospheric-pressure afterglow mass spectrometry (SA-FAPA-MS)
Mo 42	**Isabel Abad Alvaro**	Methodological platform for the analysis of microplastics in river waters based on single particle ICP-MS
Mo 43	**Nikolina Beljan**	Characterization of iron nanoparticles in removal of selected rare earth elements by ICP-MS, AFM and SEM methods
Mo 44	**Mario Corte-Rodriguez**	Using metal labels for the determination of nucleic acids (DNA and mirna)
Mo 45	**Carlos Gómez-Pertusa**	Determination of metallic nanoparticles in soils by single particle ICP-MS after a microwave-assisted extraction treatment
Mo 46	**Sara Gonzalez Morales**	SP-ICP-MS for the caracterization of engineered nanowires and nanorods of different metals
Mo 47	**Oksana Grebneva-Balyuk**	The investigation of Au and fexoy nanoparticles in aqua-organic solutions by single particle sector field ICP-MS
Mo 48	**Nuria Guijarro-Ramírez**	Characterization of biogenic selenium nanoparticles produced by Haloferax mediterranei using single particle ICP-MS
Mo 49	**Maria Sierra Jimenez**	Detection of silver species in tissues and faeces from animals fed with silver-based nanomaterials by Laser Ablation-Single Particle-Inductively Coupled Plasma Mass Spectrometry
Mo 50	**Gyula Kajner**	Single particle ICP-MS analysis using 3D-printed nebulizers and spray chambers
Mo 51	**Leonard Moriau**	Electrochemical cell coupled with ICP-MS as a tool to measure online dissolution of electrocatalysts
Mo 52	**Iva Rezić**	Microwave digestion and ICP-MS analysis of antimicrobially active microcapsules
Mo 53	**Jaromír Stráník**	A new approach to determining the particle transport efficiency of ablation cells

Mo 54	**Meritxell Cabré**	SP-ICP-MS analytical parameters for Au, Ag, spions, CeO_2 and ZrO_2 nanoparticle characterization toward Nanotheranostics
Mo 55	**Paula Menero-Valdés**	Determination of target proteins in immortalized and primary RPE cells by sc-ICP-MS using metal nanoclusters as labels
Mo 56	**Glenn Woods**	Investigation of microplastic size and number changes during simulated UV-degradation using single particle ICP-MS/MS
Mo 57	**Tamara Fernández-Bautista**	Identification of selenoneine and ergothioneine in highly consumed fish and fish-based products
Mo 58	**Aleksandra Izdebska**	Analytical approaches to study the metabolism of different arsenic forms in Tilia cordata Mill
Mo 59	**Viktoria Müller**	Measurement of gadolinium-based contrast agents in wastewater treatment plants.
Mo 60	**Marina Amaral Saraiva**	Determination of the affinity of stripping molecules for Lanthanides (III) by HILIC coupled to ESI-MS and ICP-MS using isotope dilution
Mo 61	**Ana Alvarez-Barrios**	Quantitative determination of Zn and metallothioneins in an inflammatory cell culture model by IDA/IPD-SEC-ICP-MS
Mo 62	**Elizabeth Leese**	HBM4EU Study – Assessment of Occupational Exposure to Hexavalent Chromium
Mo 63	**Katarzyna Bierla**	Simultaneous qualitative and quantitative HPLC-ICP MS and ESI MS assessment of selenium and sulfur metabolites in turkey liver
Mo 64	**Johan Annys**	Determination of arsenic species in biological samples using IC-ICP-MS
Mo 65	**Jelle Verdonck**	Speciation of Chromium using µlc-ICP-MS: Method development and validation
Mo 66	**Danuta Barałkiewicz**	Multielemental speciation analysis of Cd2+, Pb2+ and (CH3)3Pb+ in herb roots by advanced hyphenated technique HPLC/ICP-DRC-MS
Mo 67	**Ronald Glabonjat**	A method using HPLC-ICPMS/MS for simultaneous arsenic and selenium speciation analysis in large-scale epidemiological studies

Final Poster Programme Tuesday - Session 2

Tu 1	**Anda Abola**	Use of Zeeman AAS for mercury determination in black storks
Tu 2	**Silvana Oliveira**	Cell-to-cell heterogeneous association of prostate cancer with gold nanoparticles elucidated by single-cell inductively coupled plasma mass spectrometry
Tu 3	**Lukas Brunnbauer**	Characterization of microplastics using LA-ICP-MS and LIBS
Tu 4	**Cristian C. Escobar-Carranza**	Direct Detection and Characterization of Microplastics by Flowing Atmospheric-Pressure Afterglow Mass Spectrometry (FAPA-MS)
Tu 5	**Lisa Fischer**	Investigation of hydro chemical background concentrations of ground water discharges from rock glaciers in the Austrian alps
Tu 6	**Zuzana Gajdosehova**	Evidence of metal particles in cannabis vape liquids and their implications on metal measurement reproducibility
Tu 7	**Marion Grange**	Analysis of Sr-90 in milk by ICP-MS/MS: new development in sample introduction
Tu 8	**Aaron Haben**	Method development for mini-column sorption experiments using HPLC and ICP-MS in the context of repository research
Tu 9	**Erica Cahoon**	Using the nexion 5000 for Automated High Throughput Analysis of Rare Earth Elements in Large Batches of Mining Discovery Samples by LA-ICP-MS
Tu 10	**Sang Ho Nam**	Classification of fermented soybean paste products by inductively-coupled plasma optical emission spectroscopy analysis
Tu 11	**Jackie Morton**	Biomonitoring for respirable crystalline silica: the determination of Si-containing particles in exhaled breath condensate using single particle inductively coupled mass spectrometry
Tu 12	**Ivan Nemet**	Elemental Profiling of Herbal Dietary Supplements by ICP-MS method: classification by multivariate statistical tools
Tu 13	**Rosario Pereiro**	Stroke differential diagnosis in serum and nasal exudate by HPLC-ICP-MS and Fe isotopic composition via MC-ICP-MS
Tu 14	**Sukanya Sengupta**	Assessing the purity grade of lithium carbonate and lithium hydroxide using ICP-OES and ICP-MS
Tu 15	**Chady Stephan**	Strategies and approaches for particulate matter (pm) analysis in air
Tu 16	**Evangelia Xenogiannopoulou**	Rapid classification of post-fire soil contamination by heavy metals (Pb, Cr, Zn) using Laser Induced Breakdown Spectroscopy (LIBS).
Tu 17	**Michaela Bahelková**	Cadmium accumulation in organ tissues after inhalation of cadmium-based nanoparticles

Tu 18	**Lisa Balke**	Libs-LIBS: A story about fluorine
Tu 19	**Stepan Chernonozhkin**	2D elemental mapping of micrometeorites via LA-ICP-tof-MS
Tu 20	**Markéta Holá**	Sample structure and sample surface property as important parameters for LA-ICP-MS imaging
Tu 21	**Rob Hutchinson**	Precognition - a new feature in iolite to improve imaging quality
Tu 22	**Ewelina Kowa**	Imaging of coralline algae by LA-ICP-MS
Tu 23	**Ana Lores Padin**	Quantitative study of neurodegeneration-related proteins at the single-cell level by LA-ICP-MS using specific gold-labelled immunoprobes and a fully matrix-matched calibration
Tu 24	**Gulnaz Mukhametzianova**	Diffusive gradients in thin films (DGT) combined with LA-ICP-MS for elemental mapping of localised aluminium corrosion
Tu 25	**Paula Pongrac**	Sodium accumulation and distribution in floral organs of tomato
Tu 26	**C Derrick Quarles Jr**	Elemental distribution in shark teeth using high-speed LIBS-ICPMS imaging
Tu 27	**Fabien Chainet**	Pb isotopic ratio determination in recycled plastic samples by MC-ICP/MS: An Analytical feasibility
Tu 28	**Jan Dobeš**	Importance of Analyte-matrix Separation in U-Pb and Pb-Pb Dating Systems
Tu 29	**Alexander V. Epov**	Development and validation of MC-ICP-MS based methods for Ni isotope analysis to study plant hyperaccumulation
Tu 30	**Sylvain Bérail**	Isotopic fingerprints of «non-traditional» elements for authenticity and geographical assessments of food and beverages
Tu 31	**Majda Nikezić**	Strontium isotope ratio as marker of wood provenance
Tu 32	**Adam Laycock**	Pb isotope ratios to link environmental sources with high blood Pb concentrations in children in Georgia
Tu 33	**Dávid Jenő Palásti**	Preparation and characterization of deuterated co-polymers as potential hydrogen isotope calibration standards for laser ablation-based spectroscopy
Tu 34	**Claudia Marchan Moreno**	Stable isotope analysis as a critical tool on the advancement of mercury and selenium interaction in biota. New insights on mercury demethylation mechanism.
Tu 35	**Ulrike Moser**	Comprehensive (geo)chemical characterization of the Austrian-Slovenian Mur/Mura River catchment

Tu 36	**Marcus Oelze**	A second anchor Fe isotope reference material based on high purity Fe metal for the exhausted IRMM-014
Tu 37	**Daniel Peters**	Kr and polyatomic Ar interference removal for transition metals and Sr using the collision/reaction cell of the Nu Instruments Sapphire dual path MC-ICP-MS
Tu 38	**Philippe Telouk**	Evaluation of the new MC-ICP-MS/MS Neoma. Is it the game changer ?
Tu 39	**Dariya Tukhmetova**	On-line Species-specific Isotopic Analysis of Sulfur by Hyphenation of Capillary Electrophoresis with Multicollector-ICP-MS
Tu 40	**Niel Williams**	In-situ Rb/Sr by LA-MC-ICP-MS/MS: Thermo Scientific Neoma MS/MS
Tu 41	**Tea Zuliani**	Spatial resolution 87Sr/86Sr isotope ratio determination of cave bear teeth using LA-MC-ICP-MS
Tu 42	**Laëtitia Kasprzak**	Analytical strategy and characterization of spent UO2-Gd2O3 nuclear fuel samples by mass spectrometry in the case of international laboratories intercomparison
Tu 43	**Lana Abou-Zeid**	Evaluation of the affinity and selectivity of biomimetic peptides towards uranium by HILIC-ESI-MS/ICP-MS
Tu 44	**Viktoria Müller**	Measurement of organofluorines in ski waxes with non-target HPLC-qtof-MS/ICP-MS
Tu 45	**Djaber Ghaffour**	Development and validation of a novel method for Hg speciation analysis in food by HPLC-ICP-MS within the 3rd (French) Total Diet Study
Tu 46	**Mònica Iglesias-Juncà**	Simple methods for the determination of Arsenic speciation by Hydride Generation and Plasma Atomic Emission Spectrometry
Tu 47	**Rui Santos**	As species immobilization in the mining-contaminated soils using soil remediation
Tu 48	**Julita Malejko**	Development of HPLC-ICP-MS method for the speciation analysis of nano and dissolved forms of silver in biological samples
Tu 49	**Katarina Marković**	Copper speciation in human serum of hepatobiliary cancer patients by conjoint liquid chromatography and inductively coupled plasma mass spectrometry
Tu 50	**Andrea Raab**	Lipophilic arsenic compounds in cultured Chlamydomas sp. Compared to Laminaria saccharina
Tu 51	**Laura Suárez Criado**	Determination of methylmercury and inorganic mercury in human hair samples of individual from Colombia by ID-GC-ICP-MS
Tu 52	**Anastassiya Tchaikovsky**	Ultra-trace analysis of (57Fe)transferrin in cell media using SEC-ICP-QMS
Tu 53	**Kerstin Vogel**	A Comparison Revue of SEC/AF4-ICP-MS Hyphenation: Speciation and Quantitation of Polydimethylsiloxanes at Trace Levels

Tu 54	**Birgit Achleitner**	In-situ study of temperature related changes in polymers using LIBS
Tu 55	**Cesar Alvarez Llamas**	kHz LIBS-Imaging: Building the future of elemental imaging
Tu 56	**Dhinesh Asogan**	Hyphenation of a high-speed laser ablation system to Quadrupole Inductively Coupled Plasma Mass Spectrometry (ICP-MS) for imaging applications
Tu 57	**Dieter Garbe-Schönberg**	LA-ICP-OES for high-precision analysis of Sr/Ca paleo-seawater temperature proxy in corals
Tu 58	**Marijana Gavrilović Božović**	Study of the beryllium spectral line shape using Laser Induced Breakdown Spectroscopy
Tu 59	**Satoshi Kondo**	Direct metal analysis by new Galvano-mirror fs-LA-ICP-MS using 100%-normalization method with NIST612 glass CRM as calibration standard
Tu 60	**Natko Krajina**	Laser ablation ICP-MS quantitative analysis of selected lanthanides adsorbed onto zero-valent iron nanoparticles
Tu 61	**Torsten Lindemann**	Improving the Quantification of Carbon, Nitrogen and Oxygen with Fast Flow GD-MS
Tu 62	**Dávid Jenő Palásti**	Nd:YAG vs. Fiber lasers, or Laser induced breakdown spectroscopy with widely different pulse profiles and repetition rates
Tu 63	**Maximilian Podsednik**	Depth-resolved analysis of technologically relevant materials by simultaneous LA-ICP-MS & LIBS measurements
Tu 64	**Ian Ridley**	Laser Ablation Split Stream (LASS) Analysis in Economic Geology: Insights into Metallogenesis, Silesia-Cracow MVT District, Poland
Tu 65	**Jakob Willner**	Implementation of a new heating stage for in-situ LIBS analysis of temperature induced processes
Tu 66	**Monika Ogrizek**	Development of LA-ICPMS method for elemental characterization of PM samples and its application to ambient samples from Ljubljana

Final Poster Programme Wednesday - Session 3

We 1	**Federica Bruschi**	Determination of trace elements and Sr and Pb isotope ratios in Arctic resuspended soils by tandem ICP-MS and MC-ICP-MS
We 2	**Anna Ebeling**	From offshore wind to green Power-to-X products – how ICP-MS can help to monitor potential emerging chemical emissions
We 3	**Esperanza Garcia-Ruiz**	Fast extraction approaches for the multi-element analysis of dried matrix spots (dmss) via ICP-MS
We 4	**Lucía Gutiérrez-Romero**	Nanodelivery systems for cisplatin: evaluation in complex cell systems like spheroids and organoids
We 5	**Petar Ivanov**	Evaluation of Matrix Effects Using Different Plasma Views
We 6	**Zofia Kowalewska**	Low-temperature (flame) plasma as a thermochemical reactor for generation of monofluorides for fluorine determination using high-resolution molecular absorption spectrometry
We 7	**Beata Krasnodębska-Ostręga**	Comparison of Rh determination by stripping voltammetry and ICP-MS - source of new information
We 8	**Daniel Kutscher**	Rolling over interferences: How triple quadrupole ICP-MS facilitates the analysis of challenging samples for electric vehicles
We 9	**Yonghoon Lee**	Aligning salt crystals along the pre-defined laser-ablation pathway to increase laser-ablation sampling efficiency for laser-induced breakdown spectroscopy analysis of edible salts
We 10	**Jaime Martínez-García**	Identification of trace elements and biomolecules in extracellular vesicles secreted by human RPE cells by ICP-MS
We 11	**Ed Mccurdy**	Authenticating Geographical Origin of Tea from the North-East Region of India Using ICP-MS and Agilent Mass Profiler Professional Chemometrics Software
We 12	**Carina Wolf**	Laser induced breakdown spectroscopy (LIBS) - inductively coupled plasma - mass spectrometry (ICP-MS) for the investigation of tattoo pigments in ink and skin samples
We 13	**Majda Pavlin**	Alkali activation of local slag by using various alternative activators: an environmental assessment of leachates
We 14	**Michael Petrich**	Comparison of Detection Limits and Purity Analysis of Lithium Carbonate Powders Between ICP-OES, ICP-MS and ICP-MSMS Analysis Techniques.
We 15	**Ewa Pruszkowski**	What Levels of Ultra-trace Elemental Detection Can Be Achieved Today?
We 16	**Joseph Ready**	The Use of LA-ICP-MS and Related Techniques for the Analysis of Essential Elements in Plant Tissue
We 17	**Christine Rivera**	Design and Performance Review of Innovative Microwave Inductively Coupled Atmospheric Plasma – Optical Emission Spectroscopy (MICAP™-OES 1000) Utilized in Mining and Mineral Exploration

We 18	**Sebastien Sannac**	Elemental analysis of brine samples used for lithium extraction
We 19	**Thomas Vogt**	Direct process accompanying analysis of biomass for critical elements in combusting processes with ETV-ICP-OES
We 20	**Dominik Wippermann**	Potential of ICP-MS/MS to study the impact of trace metals released from offshore wind farm corrosion protection on marine biota.
We 21	**Elham Zeinijahromi**	Quantification of Trace Metals in Drinking Water – Effect of Acid Digestion
We 22	**Julian Rüdiger**	History and Outlook of (metal) pollutant measurements at the atmospheric background stations of the German Environment Agency Air Monitoring Network
We 23	**Ewa Bulska**	Measuring fluorine in biological systems: from total content to fluoro-proteomics
We 24	**Maximillian Schusleer**	Hg speciation in Tuna fish flesh by HPLC-ICP-MS
We 25	**Elke Fasch**	Critical comparison of experimental and computational fluid dynamic results for a sample introduction system in plasma spectrometry
We 26	**Sandro Fazzolari**	Coupling of a flow cytometer to the prototype ICP-TOFMS for single-cell analysis
We 27	**María Luisa Fernnandez-Sanchez**	Potential of Mesenchymal Stem Cell Secretome of Human Uterine Cervix in Breast Cancer Therapy
We 28	**Elisabeth Foels**	Fundamental studies to explore the potential of isotope dilution for LA-ICPMS imaging
We 29	**Guillermo Grindlay**	Microwave-sustained inductively coupled atmospheric-pressure plasma for elemental analysis of environmental samples: Citius, Altius, Fortius
We 30	**Karel Novotný**	Excitation of elements from water solutions in the free discharge tip and in the discharge tube of the plasma pencil
We 31	**Ágota Ragyák**	The sweetest time capsules - The MP-AES analysis coupled with AMS age determination Hungarian acacia samples
We 32	**Zsófi Sajtos**	The sweetest time capsules - The MP-AES analysis coupled with AMS age determination of Hungarian multifloral honey samples
We 33	**Michael Schober**	Fostering inclusive access to analytical instrumentation
We 34	**Kharmen Billimoria**	Potential of quantitative LA-ICP-tof-MS imaging to improve understanding of Wilson's disease therapeutics
We 35	**Vincent Gardette**	LIBS imaging for support diagnostic of pulmonary idiopathic disease

We 36	**Brian Jackson**	LA-ICP-MS analysis of teeth: A comparison of discrete spot analysis using Q-ICP-MS and imaging analysis by ICPTOF
We 37	**Dylan Johnson**	Quantitative multiplexed imaging of breast cancer biomarkers by immunohistochemistry-assisted LA-ICP-MS
We 38	**Stefan Marković**	Bioimaging of Pt in mice tumours treated with cisplatin using LA-ICP-MS
We 39	**Claude Molitor**	Statistical analysis of the distribution of the cell cycle phases of different cell cultures via LA-ICP-TOFMS
We 40	**Martin Rittner**	Recent improvements in Mpx/hr LA-ICP-TOFMS mapping
We 41	**Marco Roman**	Fast and high-resolution LA-ICP-MS imaging for improved characterization of speleothems as paleoclimate archives
We 42	**Martin Schaier**	LA-ICP-TOFMS as a tool for exploring the mechanisms of chemoresistance in oxaliplatin-treated HCT116 tumors
We 43	**Birgit Achleitner**	A 3D approach to visualize ion diffusion in polymers using LA-ICP-MS and LIBS
We 44	**Fernando Casian**	Nanoparticle-enhanced discrimination analysis of polymers and microplastics by laser induced breakdown and Raman spectroscopy
We 45	**Laura Kronlachner**	Liquid standard addition calibration for laser ablation inductively coupled plasma optical emission spectrometry
We 46	**Miroslav Kuzmanović**	Semi-quantitative LIBS analysis of austenitic steel using the intensity ratio of spectral lines
We 47	**Maximilian Podsednik**	Time-resolved investigation of copper scaling at different temperatures by in-situ LIBS measurements
We 48	**C Derrick Quarles Jr**	High-Speed Imaging with LIBS-ICPMS
We 49	**Flavio V. Nakadi**	Tandem LIBS/LA-ICP-MS: an alternative tool for dried blood spots devices analysis
We 50	**Maximilian Weiss**	Laser-induced breakdown spectroscopy as an universal platform for investigating proton conducting oxides
We 51	**Jakob Willner**	Investigation of metal diffusion into polymer films by measurement of quantitative LA-ICP-MS depth profiles
We 52	**Alexander Winckelmann**	Investigation of degradation of the aluminum current collector in lithium-ion batteries by glow-discharge optical emission spectroscopy
We 53	**Benjamin Wasilewski**	Parametric analysis on GDMS measurement: investigation of source conditions and material properties.

We 54	**Isabel Abad Alvaro**	Understanding the synergic bactericidal activity of silver-based nanomaterials/antibiotics by using Single Cell-ICP-MS
We 55	**Isabel Bastardo Fernandez**	Development of a novel method based on single particle icp-ms/ms and a high sensitivity sample introduction (apex) system for the characterization of titanium dioxyde nanoparticles in food simulants
We 56	**Magdalena Borowska**	Probing mercury detoxification potential of biogenic selenium nanoparticles using spectrometric techniques
We 57	**Raquel Gonzalez de Vega**	Application of single particle and single cell ICP-MS for the characterisation of microplastics and unicellular algae via carbon analysis
We 58	**Agnes Hagege**	Taylor dispersion analysis and ICP-MS hyphenation for size determination of ultrasmall metal-containing nanoparticles in biological media
We 59	**Lyndsey Hendriks**	Asserting the icptof's place in the analytical toolbox for nanoparticle analysis through an interlaboratory comparison study
We 60	**Adam Laycock**	Development of a new Guidance Document on the determination of concentrations of nanoparticles in biological samples for (eco)toxicity studies – A systematic review of single particle ICP-MS
We 61	**Meritxell Cabré**	Clinical diluent effect on gold nanoparticle characterization for Nanotheranostics applications
We 62	**Riansares Muñoz-Olivas**	Combination of proteomics and imaging plasma spectrometry methodologies to elucidate the size dependent toxicological effects of agnps in zebrafish larvae
We 63	**Rosa Rodríguez Martín-Doimeadios**	EAF4-ICP-TQ-MS as a potential powerful tool for the study of metallic nanoparticles
We 64	**Alejandro Rodríguez-Penedo**	Palladium nanoclusters as label to determine GFAP in biological fluids by bimodal detection: ICP-MS & cyclic voltammetry
We 65	**Lukas Schlatt**	Nanoparticle identification using single particle ICP-tof-MS acquisition coupled to cluster analysis. From engineered to natural nanoparticles
We 66	**Andrés Suárez Priede**	Characterizing and evaluating the antibacterial activity of biogenic senps produced by edible mushrooms
We 67	**Glenn Woods**	Investigation on Accumulation Patterns of three Pt-based Drugs in Cisplatin–Sensitive and –Resistant Cell Models using single cell ICP-MS

Final Poster Programme Thursday - Session 4

Th 1	**Sarah-Marie Alam El Din**	Development of a biomarker of early toxicity from electronic cigarette metal exposure using single-cell ICP-MS
Th 2	**Violina Angelova**	Comparison of direct mercury analyzer and ICP-OES for the analysis of mercury in environmental samples
Th 3	**Anna Telk**	Determination of boron in skin cancer cells by ICP-MS technique
Th 4	**Sandra Barhoum**	Synthesis and characterization of capillary based-monolithic supports to study interactions of actinides with biological material
Th 5	**Toralf Beitz**	Laser-induced breakdown spectroscopy for proximal soil sensing in precision agriculture
Th 6	**Mario Corte-Rodriguez**	Study of the use of a new multi-purpose nebulizer in multiple conditions: from total elemental analysis to single-cell ICP-MS with one nebulizer.
Th 7	**Beatriz Gómez Gómez**	Uptake of selenium species in neuroblastoma cell lines related to Alzheimer´s disease by using single-cell-ICP-MS.
Th 8	**Peter Keresztes Schmidt**	Laser ablation ionization mass spectrometry on the lunar surface
Th 9	**Satoshi Kondo**	Particle Analysis of Two High Purity Grades of N-Methyl-2-Pyrrolidone (NMP) using a Single Particle (sp)ICP-MS/MS Method
Th 10	**Beata Krasnodębska-Ostręga**	On-site separation of arsenic species using a sorbent C18 modified with APDC - ICP-MS determination
Th 11	**Michaela Kuchynka**	Elements and proteins imaging by LA-ICP-MS: medical and pharmaceutical research
Th 12	**Pia Leban**	Extending the capabilities of single particle ICP-MS for the detection of small microplastics in environmental water samples
Th 13	**Barbara Lesniewska**	Determination of selected elements in model biological fluids by ICP-MS/MS
Th 14	**Uwe Noetzel**	Determination of Heavy Metals and Nutrient Elements in Alternative Proteins Using ICP-MS
Th 15	**Thomas Prohaska**	Characterization of technologically produced carbon applied in agriculture
Th 16	**Ewa Pruszkowski**	Totalquant Technique - More than Semi-Quantitative Analysis

Th 17	**Sebastien Sannac**	Determination of Elemental Nutrients and Micronutrients in Functional Food by ICP-OES
Th 18	**Sukanya Sengupta**	Accurate and Reliable Analysis of Food Samples using ICP-MS
Th 19	**Sandro Spiller**	Trace analysis of light naphtha samples using hr-array icp-oes
Th 20	**Joshua Stone**	LIBS-ICP-MS: An emerging technique for geologic imaging of traditionally challenging elements
Th 21	**Daniel Torregrosa**	Determination of SARS-cov-2 proteins by means bioassays based on ICP-MS detection
Th 22	**Alan Vieira**	Closed-vessel thermally convective wet digestion: a reliable sample preparation approach for trace analysis
Th 23	**Christoph Walkner**	Active and passive tracing of non-metallic inclusions in steel using rare earth elements
Th 24	**Fanny Claverie**	In situ U-Pb carbonate dating by fs-LA-ICP-MS imaging combined with a virtual spot approach data treatment.
Th 25	**David Douglas**	A novel combination of ICP-TOF-MS beam attenuation and encoder laser triggering to map elements between 100% and sub-ppm levels at high repetition rates
Th 26	**Damon Green**	Proving the capabilities of Laser Ablation ICP-TOF-MS data at speeds up to 1 kHz
Th 27	**David Loibnegger**	LA-ICP-TOFMS imaging reveals spatial distribution of platinum compounds in mouse organs and tumor tissue at the single cell level
Th 28	**Joshua Millar**	Multimodal mass spectrometry imaging of key biomarkers to study age-related macular degeneration
Th 29	**Olga Minaeva**	LA-ICP-MS as a new tool for neuroscience research
Th 30	**Lukas Schlatt**	Fast, high-resolution full elemental laser ablation imaging using time-of-flight ICP-MS for endogenous metal analysis and label identification in biological samples
Th 31	**Ciprian Stremtan**	Chemical heterogeneities documented in Iron Age glass artefacts from the Dacian fortress of Ardeu (Hunedoara County, Romania) – the case for using LA ICP MS elemental imaging
Th 32	**Vilém Svojanovský**	Single particle inductively coupled plasma mass spectrometry imaging of immunochemically labeled spheroid sections
Th 33	**Stijn J. M. Van Malderen**	Advances in batch image calibration and phase segmentation
Th 34	**Markéta Vejvodová**	Recognition of proteins using metal-based nanoparticles

Th 35	**Kristina Mervič**	Influence of laser fluence and beam size on aerosol formation and effect on precision in LA-ICP-MS analysis
Th 36	**Dino Metarapi**	Hexagonal sampling – a free upgrade in LA-ICP-MS imaging resolution?
Th 37	**Lana Abou-Zeid**	High-precision Selenium isotopic analysis: a novel approach for diagnosing/prognosing neurological disorders?
Th 38	**Marta Aranaz Fernández**	Study of the protective role of Zn in an in vitro cell culture subjected to pro-inflammatory conditions
Th 39	**Francisco Ardini**	Expanding the capabilities of a single-quadrupole ICP-MS for lead and strontium isotopic analysis of polar samples
Th 40	**Sylvain Berail**	Development of a new analytical strategy to determine the Hg isotopic composition in gold materials
Th 41	**Dominik Božič**	Mercury isotope measurement method in samples with low mercury concentration using MC-ICP-MS
Th 42	**Ewa Bulska**	High precison measurements of lead isotope ratio
Th 43	**Tjaša Goltnik**	Use of lead isotope composition for source tracing of air particulate matter from upper Meža Valley
Th 44	**Johanna Irrgeher**	Elemental and isotopic analysis of dust for authentication of historic manuscripts
Th 45	**Marta Marina Latorre**	Development of methodologies for isotopic analysis by (MC)-ICP-MS in ocular low volume samples
Th 46	**Rui Santos**	Boron isotope ratio measurements with a Q-ICP-MS in seawater samples
Th 47	**Peio Riss**	Boron Isotope Ratios in Champagne Wine as a Tracer of Authenticity using a Quadrupole ICP-MS
Th 48	**Katerina Rodiouchkina**	Determination of sulfur isotope ratios in biological and geological reference materials
Th 49	**Fred Smith**	Antimony Isotope Ratio Measurements Using a Desolvating Nebulizer System with Multicollector ICP-MS Detection: A Study with an Atlantic Ocean Mn Nodule
Th 50	**Jochen Vogl**	Interlaboratory comparison on conventional $^{87}Sr/^{86}Sr$ isotope ratio analysis by applying MC-ICP-MS and MC-TIMS
Th 51	**Bodo Hattendorf**	Highly sensitive 238U–234U–232Th–230Th dating approach using LA-ICPMS
Th 52	**Camilla Kafino**	Strontium Isotopes Applied as Provenance Proxy for Brazilian Woods

Th 53	**Dhinesh Asogan**	Assessing the level and distribution of trace element distributions in individual cells using single cell ICP-MS analysis
Th 54	**Kai Fukuchi**	Effect of gas species and flow rate on desolvation in droplet sample injection ICP- MS for single cell analysis
Th 55	**Stephan Hann**	Elemental speciation analysis and molecular mass spectrometry for investigation of metal homeostasis in allergic subjects
Th 56	**Daniel Kutscher**	Intracellular elemental content of CHO cells in batch versus fed-batch conditions
Th 57	**Sandra Mounicou**	Fate and impact of iodinated contrast media in exposed aquatic organisms - a metallomic approach
Th 58	**Georgia Panagou**	Metallobiomolecule profiling in gilthead seabream and European seabass blood serum by online SEC – ICP – MS
Th 59	**David Price**	Can Single Cell ICP-MS improve our understanding of the role of iron on our immune system?
Th 60	**Kaj Sullivan**	Meta-analysis of blood serum Zn stable isotope compositions from healthy subjects using individual participant data
Th 61	**Oksana Grebneva-Balyuk**	Spectral interferences as the reason of signals "amplification" on trace concentration of elements determination by ICP-AES
Th 62	**Jong Wha Lee**	Uncertainty evaluation in double isotope dilution inductively coupled plasma mass spectrometry
Th 63	**Johanna Noireaux**	Improving valuable metals recycling: quantifying Technology Critical Elements in the urban mine
Th 64	**Sophie Page**	A Novel Isotope Dilution ICP-MS Approach for Validating Mercury Gas Generators
Th 65	**Ben Russell**	Harmonisation of measurement of environmental pollutants in Europe: Introduction to a European Metrology Project
Th 66	**Adam Sajnóg**	Applying chemometric tools to search for relationships between elements in herb roots determined by ICP-MS