

Hybrid: Present (Room S05 V02 E03)/Zoom-online, time: mondays, 9:15 am - 11 am

Termin	Lecture 1	Lecture 2	Lecture 3
23.10.2023	Mike Wenzel (IUTA) Bestimmung von Mikroplastik in Böden und Moosen	Hannah Schanzmann Non-invasive analysis of hospital-acquired pneumonia by ion mobility & mass spectrometry in parallel	
30.10.2023	Max Reuschenbach qAlgorithms: Next Generation of Data Processing for NTS - User-Independent and Data Quality-Based	Tetyana Tishakova Optimization of conventional and emergent extraction techniques for herbal remedies	Chiahsin Chi High-performance MALDI Mass Spectrometry Imaging for Lipidomics
06.11.2023	Robert Marks Novel coupling of liquid chromatography with simultaneous detection by isotope ratio and high-resolution mass spectrometry		
13.11.2023	Fabian Terlau Phthalocyanine integrated Nanofibers for photodynamic inactivation of bacteria	Jens Dreschmann Structural Details of non-IPR Fullerenes	
20.11.2023	Katharina Wetzel Development of a LC x LC method for the chemical characterization of herbal remedies	Marvin Häßler Advances in the development of a dual ion source and in the characterization of herbal medicinal plants	
27.11.2023			
04.12.2023	Felix Niemann Investigation of Stable Isotope Fractionation during Photolysis of Imidacloprid and its Transformation Products	(Hohenroda-Testvortrag AK Schmidt) Reyhaneh Armin Non-Target Analyse organischer Spurenstoffe in Industrieabwässern	Laura Tenhumberg New approach for assigning emerging contaminants in soil from HR MS data

11.12.2023	Michael Leupold The development of a circulating flow reactor for the photocatalytic degradation of antibiotic residues	(Hohenroda-Testvortrag AK Schmitz) Alexandra Pape USN und LTP	
15.01.2024	Annika Fechner Kopplung eines miniaturisierten Thermodesorptionschips und einer μ -Plasma-Ionisierungsquelle zur Analyse flüssiger Proben mittels Ionenmobilitätsspektrometrie	Joanna Flottmann Analysis of highly polar trace substances in water with LC-HRMS(/MS)	Jing Yu Investigations of structural features of sphingolipids by advanced mass spectrometry
22.01.2024	Indra Bartels Untersuchung, Vorkommen, Produktanalyse und Ökotoxizitätsprüfung von Virustatika in Oberflächengewässern mittels High Resolution HPLC-ESI-Q-TOF-MS	Shaista Khaliq Diet-consumer interactions under variable stressor conditions as revealed by stable isotope studies of individual amino acids	
29.01.2024	Felix Drees Unraveling Non-Target Screening Variability: A Chemometric Dive into Chemical Process Characterization	Malte Hübchen Automated sample preparation and gas chromatographic analysis in the field of food and consumer goods	
05.02.2024	Jaqueline Leddin Optimizing Data Processing in Bioinformatic for Non-Target Analysis in Lipidomics and Metabolomics	Florian Stappert Increasing the separation power in Ion Mobility Spectrometry (IMS) - Opportunities of multiplexing for non-targeted analysis	
19.02.2024	Anneke Niehuus Not-Targeted Analytik von Medizinprodukten		

Red: First talk / Initial PhD Presentation

Slides will mostly be prepared in English, Status: 21.01.2024