M.Sc. Water Science and Chemistry
Practical Analytical Chemistry   Status: April 17, 2019

Group	Direct Supervisor	e-mail direct supervisor	Research Group	Subject	earliest (E) or latest (L) start date	Comments
1 Wiebke Kaziur	wiebke.kaziur@uni-due.de	Schmidt/Jochmann/Lutze/Telgheder	Automated sample preparation with GC-MS		
2 Jens Terhalle	jens.terhalle@uni-due.e	Schmidt/Jochmann/Lutze/Telgheder	Isotopic effects of oxidative reactions		
3 Klaus Kerpen	klaus.kerpen@uni-due.de	Schmidt/Jochmann/Lutze/Telgheder	Degradation of organic compounds with boron-doped diamond electrodes		
4 Sasho Joksimoski	sasho.joksimoski@uni-due.de	Schmidt/Jochmann/Lutze/Telgheder	Novel coupling techniques for the determination of organic compounds in complex samples by ion mobility spectrometry		
5 Vanessa Wirzberger	vanessa.wirzberger@uni-diue.de	Schmidt/Jochmann/Lutze/Telgheder	Ozonation of N-containing compounds: kinetic constants		
6 Tobias Hesse	tobias.hesse@uni-due.de	Schmidt/Jochmann/Lutze/Telgheder	Development of liquid chromatographic methods for isotope ratio mass spectrometry		
7 Sajjad Abdi	sajjad.abdi@uni-due.de	Schmidt/Jochmann/Lutze/Telgheder	Oxidation of N-containing compounds	L August 2019	
8 Xenia Mutke	x.mutke@gmx.de	Schmidt/Jochmann/Lutze/Telgheder	Characterization of oxidative processes	E October 2019	
1 Florian Uteschil	florian.uteschil@uni-due.de	Schmitz	Analysis of environmental samples by means of GC-APPI-MS		
2 Martin Meyer	martin.meyer@uni-due.de	Schmitz	Optimization of SFC-ELSD and SFC-MS for the analysis of biofilms		
3 Dominik Brecht	dominik.brecht@uni-due.de	Schmitz	Development of steroid analysis by LC-QqQ-MS		
4 Kristina Rentmeister	kristina.rentmeister@uni-due.de	Meckelmann	Metabolomics/Lipidomics		
5 Christian Lipok	christian.lipok@uni-due.de	Schmitz	Application of noval GC-MS ion sources		
6 Lidia Montero	lidia.montero@csic.es	Schmitz	Analysis of complex samples by 2D LC		
7 Timo Köhler	timo.koehler@uni-due.de	Schmitz	Analysis of metabolites of Pseudomonas aeruginosa with Thermodesorption-GC-MS		
			IWW			
1 Lars Reinders	l.reinders@iuta.de	IUTA	Investigation and reduction of matrix effects in peptide analysis of therapeutic proteins using LC-MS/MS.		
2 Lars Reinders	l.reinders@iuta.de	IUTA	Application of a wipe sample monitoring method developed for cytostatic drugs for LC-MS/MS analysis of monoclonal antibodies with subsequent optimization with regard to recovery and reproducibility		
3 Matin Funck	funck@iuta.de	IUTA	Analysis of microplastic using TED-GC-MS (thermal extraction and desorption gaschromatography mass spectrometry)		
4 Nicolai Baetz	baetz@iuta.de	IUTA	Investigation of multienzyme neurotoxicity assays for the determination of organophosphates and organothiophosphates using HPTLC		
5 Sophia Dircks, Jochen Türk	dircks@iuta.de; tuerk@iuta.de	IUTA	Oxidative treatment (ozonation and photocatalysis) of industrial and municipal waste		
			W. Schrader, MPI Mülheim			
			C. Mayer	e.g., NMR spectroscopy		
			S. Barcikowski	e.g., Nanoparticle analysis		
			M. Giese, J. Niemeyer, S. Voskuhl, G. H.	e.g., Fluorescence, CD, IR spectroscopy, chiral HPLC		
			M. Ulbricht	e.g., Polymer analysis, GPC		

Note: in case a practical is selected outside the analytical chemistry department as in these examples, previous acceptance by the responsible lecturer (Prof. Dr. T. C. Schmidt), e-mail torsten.schmidt@ uni-due.de, has to be confirmed BEFORE commencing the work!