

Lisa G. T. Leist

Personal Details

Date of Birth 15 July 1993, Germany
Nationality German

Education

- 10/2016 – 02/2019 **Master of Science in Chemistry**, Christian-Albrechts University Kiel (CAU Kiel), Germany
Master's Thesis: Trace metal distribution in the (sub) tropical Atlantic Ocean
Supervisors: Prof. Dr. E. Achterberg & Prof. Dr. M. Frank
- 10/2013 – 11/2016 **Bachelor of Science in Chemistry**, CAU Kiel
Bachelor's Thesis: Continuous Flow Multistep Synthesis of Indoles
Supervisors: Prof. Dr. A. Staubitz & Dr. D. L. Browne

Projects

- 06/2021 **Research Cruise BOCATS2**
- 03/2020 – 06/2020 **Swiss Federal Institute of Technology in Zurich (ETH Zurich), Switzerland**, Prof. Dr. M. Scheringer, Department of Environmental System Science, The International Panel on Chemical Pollution (IPCP)
Literature review on interlinkages between different focal areas of the Global Environmental Facility (GEF), and on relationships between several multilateral environmental agreements.
- 03/2018 **Research Cruise Amazon GEOTRACES M147**

Research & Working Experience

- 03/2021 – **ETH Zurich**, Dr. Nuria Casacubert Arola
Research Assistant/Doctoral Student
Studying Ocean circulations in the Subpolar north Atlantic with the artificial radionuclides ^{129}I and ^{236}U
- 06/2020 – 01/2021 **Office for Waste, Water, Energy and Air (AWEL Zurich), Switzerland**, Dr. Christian Götz, Water protection laboratory
Internship
Method development and validation within the national pesticide monitoring program NAQUA
- 03/2019 – 05/2020 **ETH Zurich**, Prof. Dr. K. P. McNeill, Department of Environmental System Science,
Scientific Assistance
Studying photoreactions in aerosols, especially singlet oxygen sensitizing abilities, in ambient air filter extracts.

- 09/2018 – 12/2018 **National University of South, Bahía Blanca, Argentina,**
Prof. Dr. M. Pistonesi, Department of Analytical Chemistry,
Internship
Successful development of a digital imaging-based As(III) detection method.
- 01/2018 – 08/2018 **GEOMAR Helmholtz Centre for Ocean Research, Kiel, Germany,**
Dr. C. Schlosser, Marine Biogeochemistry, Research Unit: Chemical
Oceanography
Master's Project
Trace metal analysis of seawater samples from the (sub) tropical the Atlantic
Ocean.
- 08/2017 **CAU Kiel,** Prof. Dr G. Friedrichs, Department of Physical Chemistry,
Internship
Analysis of sea surface model compounds using sum frequency generation (SFG)
spectroscopy.
- 02/2017 – 04/2017 **CAU Kiel,** Prof. Dr. A. Staubitz, Department of Organic Chemistry,
Student Assistant
Organic synthesis of photo-switchable polymers.
- 06/2016 – 10/2016 **Cardiff University, Wales,** Dr. D. L. Browne, Department of Chemistry,
Internship
Multistep synthesis and characterisation of indoles.
- 03/2015 – 09/2018 **GEOMAR Helmholtz Centre for Ocean Research, Kiel, Germany,**
Marine Biogeochemistry Research Unit Chemical Oceanography
Internship & Student Assistant
Analysis of halocarbons in seawater samples.

Skills & Tools

- Language German (native), English (fluent), Spanish (intermediate)
- Software Microsoft Office, ChemDraw, L^AT_EX, Python, OcanDataView
- Tools ICP-MS, GC-MS, UPLC, NMR, FT-IR, organic & inorganic synthesis
- Extra-curricular AVETH Counsellor (2021-now), Member of the Jung Chemiker Forum (2015-2018) and International Association for the Exchange of Students for Technical Experience, IAESTE (2017-2019)
- Outreach Supervisor at the Ferienplausch at the Institute for Atmospheric and Climate Science (2019), Volunteer at the Klimarunde ETH (2019) and Kieler Uni live (2015, 2017), Project poster presentation at the "JCF Bachelor and Master Info Abend" CAU Kiel (2017)

Publications

- Christiane Schotten, Lisa G. T. Leist, A. Lisa Semrau, Duncan L. Browne*, *React. Chem. Eng.*, **2018**, 10.1039/C8RE00010G.
- Federico Belén, Federico Danilo Vallese, Lisa G. T. Leist, Marco Ferrão, Dr. Adriano Gomes, Dr Marcelo Pistonesi*, Computer-vision based second-order (kinetic-color) data generation: arsenic quantitation in natural waters, *Microchemical Journal*, **2020**, 104916.

Hobbies

Mountain biking on muddy trails, Baking Bread