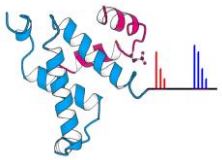
Christian-Albrechts-Universität zu Kiel



Kiel, 10. Jan. 2022

In the Division for "**Systematic Proteome Research & Bioanalytics**" at the **Christian-Albrechts-Universität Kiel, Germany**, a position for a

PostDoc - mass spectrometry based proteomics

is immediately available.

The research of the group is focused on the development of novel methods for protein- and proteome analytics (bottom-up and top-down proteomics, identification, quantification, posttranslational modifications, mass spectrometry, liquid chromatography and capillary electrophoresis, low cell number proteomics) and the application of these methods on biotechnological problems and biomedical projects.
The group is member of the Institute for Experimental Medicine within the Medical Faculty of Kiel University and is also embedded in the Natural Sciences Faculty of Kiel university. We presently drive a Thermo "Fusion Lumos", a Thermo "Orbitrap Velos, with ETD", a Thermo "QExactive plus", a Waters "Synapt G2S" (with ESI and MALDI source, and ion mobility), and an ABSciex "5800 MALDI TOF/TOF". More information can be found on our homepage www.iem.uni-kiel.de.

The project will deal with the ***development and application*** of LC-MS based methods for proteomics and protein analytics (e.g. top-down and/or bottom-up proteomics). We offer projects in the fields of quantitative proteomics (e.g. in bacteria important in biotechnology/biomedicine), the analysis of covalent protein modifications (e.g. disulfide bridges, analysis of proteolytic processing (SFB877)), in the field of host-microorganism interactions (e.g. antimicrobial peptides, metaproteomics, etc., in SFB1182)).

A ***very strong (!!) theoretical and practical background*** in the field of biologically oriented mass spectrometry (ESI MS and/or MALDI) coupled to liquid chromatography and quantitative proteomics **is required**; this includes at least two years hands-on experience with mass spectrometers. Experience with common proteomics software tools is mandatory.

The position is in particular suited for candidates aiming to start an academic career.

Applicants are expected to be highly motivated, reliable and interested to work in an interdisciplinary environment in a young team.

The position is available from March 2022; funding is available for up to ***24 months***. Prolonging of the contract over this time is envisaged. Funding is based on German TV-L E13.

Women are especially encouraged to apply. Handicapped people will be preferentially considered in case of equivalent qualifications.

Further information: Prof. Dr. Andreas Tholey (a.tholey@iem.uni-kiel.de).

Please send your application with all necessary information (including the names and addresses of 2 references) **via E-mail** (please send only pdf-files!!!).

Andreas Tholey
AG Systematische Proteomforschung & Bioanalytik - Institut für Experimentelle Medizin
Niemannsweg 1 (Campus UK-SH)
Christian-Albrechts-Universität Kiel, 24105 Kiel, Germany