Open PhD Position
Department of Food Chemistry and Toxicology

Exploring exposure and effect of natural food toxins by LC-MS

This position in the field of bioanalytical chemistry and metabolomics/exposomics is dedicated to the development of innovative mass spectrometry-based workflows and data evaluation tools. The developed methods will be applied to address pressing interdisciplinary research questions in the area of food safety and environmental health.

The working group 'Global Exposomics and Biomonitoring' represents a motivated team acting in a network of national and international cooperations. We apply a multi-disciplinary approach to better understand the impact of contaminants on human health and use innovative mass spectrometric methods to investigate exposure, metabolism, and toxicity.

Requirements:

- Appropriate training in analytical, biological, food, or computational chemistry, toxicology, biotechnology or related field (MSc level)
- Experience with mass spectrometry or metabolomics and scientific publishing are beneficial but no prerequisite
- Basic programing skills (e.g. R) and statistics knowledge would be additional assets
- High level of self-motivation, commitment, and work ethics; willingness to travel and cooperate within the framework of this thesis at a national and international level
- Application documents: Letter of motivation, academic curriculum vitae incl. research interests, at least two references, degree certificates and transcripts

Funding:
Provided via a three-year project funded by the FWF (Austrian Science Fund)

Contact: Prof. Benedikt Warth
Global Exposomics and Biomonitoring Group
Email: benedikt.warth@univie.ac.at
Website: https://exposomics.univie.ac.at/