



MTM Research Centre



MTM Seminars

Tuesday, 5 September 2017

Time: 14:00 h

Place: B219

Assoc. Prof. Xue (Amy) Li

Institute of Mass Spectrometer and Atmospheric Environment

Jinan University (Guangzhou)

China



Direct Breath Analysis and Its Application in Medicine and Environmental Exposure

Dr. Xue Li received her PhD degree in Environmental Science at Tsinghua University in 2010, and later spent two years at ETH Zürich working on ambient mass spectrometry as a postdoctoral fellow. She came back to China in 2014 and started her academic career in Jinan University as an Associate Professor.

Her research interests focus on real-time mass spectrometry-based breath analysis and its translation to environmental health and medical diagnosis applications. In her talk today, a real-time mass spectrometry-based technology, secondary nanoelectrospray ionization high resolution mass spectrometry (Sec-nanoESI-HRMS), will be introduced. The application of breath analysis by using Sec-nanoESI-HRMS for monitoring pharmacokinetics of ketamine and benzene will be demonstrated and discussed.

Welcome!

Host: Heidelore Fiedler