



Advances in Bioanalytical Mass Spectrometry 5th SYMPOSIUM OF THE GÖTTINGEN PROTEOMICS FORUM

November 22, 2012

University Medical Center Göttingen

Mass spectrometry with spatial resolution: MALDI imaging and laser capture microscopy

Program

09:00 - 09:10 *Opening Remarks*

Session 1: MALDI MS Imaging in Clinical Proteomics

09:10 - 9:50 *Marc Baumann* *Imaging mass spectrometry: Searching for the invisible, a new tool for disease investigations*

09:50 - 10:30 *Isabelle Fournier* *Protein identification in MALDI MS imaging to unravel physiopathological processes*

10:30 - 11:00 *Detlev Suckau* *Beyond pretty images: Biomarker identification strategies as follow up to imaging based biomarker discovery*

11:00 - 11:20 **Coffee**

Session 2: MALDI MS Imaging: Understanding the Pathophysiology of Diseases

11:20 - 12:00 *Axel Walch* *MALDI imaging mass spectrometry in tissue-based clinicopathological research*

12:00 - 12:40 *Malcolm Clench* *Examination of drug distribution and response to treatment in skin and tumour samples by MALDI-MSI*

12:40 - 13:10 *Andreas Pich* *Brain tissue imaging to investigate an animal model for the human Usher syndrome*

13:10 - 14:10 **Lunch & Poster**

Session 3: New Applications and Technologies in Tissue Mass Spectrometry

14:10 - 14:50 *Theo Luider* *Laser capture microscopy and proteomics: Detection of proteins at the cellular level?*

14:50 - 15:30 *Per Andrén* *MS imaging: Quantitation of drugs, small molecules and neuropeptides directly in tissue sections*

15:30 - 16:00 *Ian Edwards* *High definition MALDI MS imaging: Full integration of the ion mobility dimension from acquisition to visualization*

