

# Michael Przybylski's contribution to mass spectrometry in life sciences

(Lecture hall A704)

Friday, 25<sup>th</sup> of April 2014

## I. Welcome / Invited Lecture

Chair: M.O. Glocker / G. Müller

14:00 – 14:10 M.O. Glocker, Proteome Center Rostock

Welcome and introduction

14:10 – 14:30 Greeting addresses

A. Zumbusch, Speaker, Chemistry Department (pending)

G. Müller, GDCh representative

M. Przybylski, Laureate

14:30 – 15:15 A. Sinz, Halle (invited GDCh lecture)

How Can Chemical Cross-Linking / Mass Spectrometry Contribute to Protein 3D-Structure Analysis?

## II. Scientific Presentations I

Chair: M.O. Glocker

15:15 – 15:45 M. Manea, Konstanz

Beta-amyloid autoantibodies in serum and cerebrospinal fluid of Alzheimer's disease patients and healthy individuals

15:45 – 16:15 Break

16:15 – 16:45 M. Macht, Bremen

Characterization of antibody-based biopharmaceuticals by mass spectrometry

16:45 – 17:15 T. Knöfel, Eschborn

Mass Spectrometry in Protein Analytics: Between the identity and quantity of thousands of proteins and the conformation of some

17:15 – 17:45 S. Trimpin, Detroit

MAIV - MALDI without a Big Stick

17:45 – 18:15 W. Weinmann, Bern

Novel alcohol consume markers thanks to LC-MS/MS and diagnostic applications

19:30 – 21:30 Dinner

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Saturday, 26<sup>th</sup> of April 2014

## III. Scientific Presentations II

Chair: A. Sinz

9:30 – 10:00 R. Weber, Weinheim

The Non-Standards at FTMS: IR-Laser Ionisation & Co.

10:00 – 10:30 J. Kast, Vancouver

A Multi-Cell Type Model of Atherosclerosis: From Design to Proteomic Application

10:30 – 11:00 A. Brindusa-Petre, Iasi

Molecular characterization of neuronal Abeta aggregates by Mass spectrometry-based footprinting methods

11:00 – 11:30 M. Bantscheff, Heidelberg

Chemoproteomic target profiling in drug discovery

11:30 – 12:00 Break

## IV. Scientific Presentations III / Closing Remarks

Chair: M. Manea

12:00 – 12:30 M. Wunderlin, Ulm

Mass spectrometric characterization of organic energy-, nano- and bio-materials.

12:30 – 13:00 S. Metzger, Köln

Identification of intracellular platin-protein complexes and their input towards development of cisplatin resistance

13:00 – 13:30 M.O. Glocker, Rostock

Diagnostics of Pregnancy Complications by Affinity – Mass Spectrometry

13:30 – 13:50 M. Przybylski, Konstanz

Summary and outlook

13:50 – 14:00 M.O. Glocker, Rostock

Meeting wrap-up and farewell

15:00 – 17:00 Coffee and refreshments