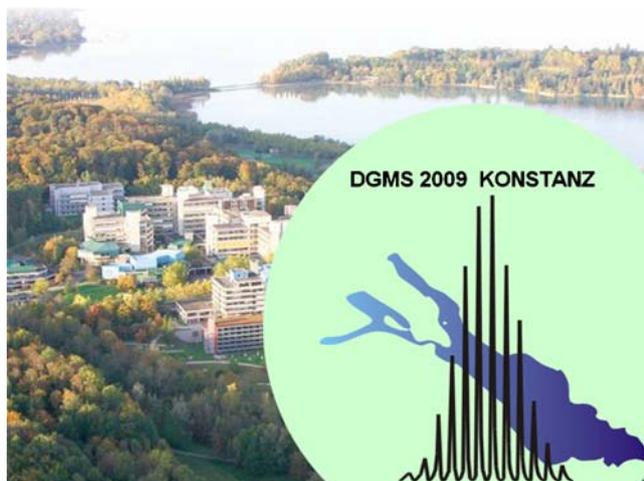


DGMS 2009: focus on bioanalytical mass spectrometry

Michael Przybylski

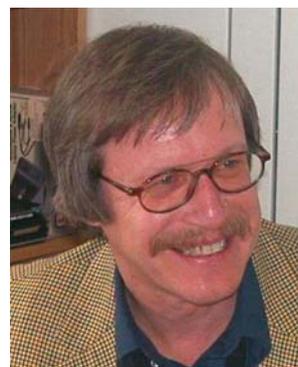
Published online: 12 November 2009
© Springer-Verlag 2009

The 42nd Annual Conference of the German Society for Mass Spectrometry (DGMS) was held on March 8–11, 2009, at the University of Konstanz. It included more than 320 participants from various universities, academic institutions, and all of the major manufacturers in the field of mass spectrometry from Germany, several other European countries and the USA. Trends in all of the major areas of the methods, instrumentation and applications of mass spectrometry were discussed, and the successful development of the DGMS as an interdisciplinary scientific and technology forum continued at DGMS 2009, as amply noted at the recent 18th International Mass Spectrometry Conference in Bremen.



In addition to the traditional Wolfgang Paul opening lecture of the conference, which was given by a scientist of

international repute (Tilmann Märk, Innsbruck), the broad scientific spectrum at DGMS 2009 was reflected in nine plenary and keynote lectures and 56 discussion presentations. Together with three workshops on polypeptide fragmentation, affinity mass spectrometry and protein glycosylation, a number of themes focused on new developments in bioorganic and biopolymer chemistry and the life sciences. One example of an exciting new bioanalytical method—ion mobility mass spectrometry as an approach to protein conformational characterization—is represented by one of the papers of this special issue. The papers in the present special issue of *Analytical and Bioanalytical Chemistry*, ranging from the mass spectrometric structural analysis of lipids and brain gangliosides to the determination of drugs of abuse, the characterization of β -amyloid aggregates and cancer cell proteome analysis, nicely illustrate the current status of bioanalytical mass spectrometry.



Michael Przybylski has been Full Professor of Analytical Chemistry and Biopolymer Chemistry at the University of Konstanz since 1988. His research interests focus on peptide and protein structure analysis, biopolymer mass spectrometry, and proteome analysis. Further research areas include molecular recognition and supramolecular association spectrometry, vaccine peptides and epitope analysis, and neurodegenerative peptides and proteins.

M. Przybylski (✉)
Laboratorium für Analytische Chemie, Universität Konstanz,
78457 Konstanz, Germany
e-mail: Michael.Przybylski@uni-konstanz.de
URL: <http://www.uni-konstanz.de/agprzybylski/chemie>