



Preface

34th Annual Meeting of the Japanese Society for Biomedical Mass Spectrometry

The 34th Annual Meeting of the Japanese Society for Biomedical Mass Spectrometry (JSBMS) was held on September 10 and 11, 2009, at B Hall in E Campus, Kinki University, Japan.

This meeting covered a variety of biomedical applications of mass spectrometry, such as diagnosis and disease state assessment of inherited metabolic disorders, forensic toxicological analysis, proteomics, metabolomics and imaging mass spectrometry including single-cell mass spectrometry.

On the first day of our meeting, we had a special lecture entitled "Usefulness of mass spectrometry for diagnosis and pathogenesis in hereditary amyloidosis" by Professor Yukio Ando of Kumamoto University, and an educational lecture entitled "Introductory course of quantitative analysis by mass spectrometry" by Dr. Yutaka Hashimoto of University of Yamanashi. On the second day, an invited lecture was presented by Emeritus Professor Kazutake Shimada of Kanazawa University under the title of "Development of analysis of vitamin D metabolites using LC-MS combined with derivatization". Also, on the same day, the prize lecture of JSBMS Junior Award winner was given by Dr. Yasuhiro Maeda under the title of "Determination of acylcarnitine isomers by HPLC-MS/MS and its application".

We had six symposiums that focused on "clinical proteomics", "MS application: from toxicological assessment to personalized medicine", "Mass spectrometric approaches to the investigation of

bioactive compounds and biomarkers", "Metabolomics for health and disease", "Mass spectrometry: an indispensable tool for keeping food safety" and "Medical mass spectrometry of localized target".

This special issue is published as the proceedings of the 34th Annual Meeting of JSBMS at Osaka. There were 29 oral presentations, 42 poster presentations, and 219 participants at this meeting. We would like to thank all speakers, presenters, participants, and staff members of this meeting for excellent papers, earnest discussion and cooperation in this fruitful meeting.

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