Biomedical mass spectrometry

Akira Ishii · Mitsutoshi Setou · Toshimitsu Niwa

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The 37th Annual Meeting of the Japanese Society for Biomedical Mass Spectrometry (JSBMS) was held on October 25th and 26th, 2012, in Aichi Industry and Labor Center (WINC AICHI), Nagoya, Japan. We aimed for extensive discussions and interdisciplinary cooperation for the researchers in the wide range of areas involved in mass spectrometry; the topics in the meeting included proteomics, metabolomics, forensic toxicology, screening for inherited metabolic disorders, and imaging mass spectrometry.

On the first day, two symposia were held; the first one was entitled “Clinical proteomics—problems for practice and prospect” organized by Professor Fumio Nomura from Chiba University and Dr. Toyofumi Nakanishi from Osaka Medical College, and the second one entitled “Revisit of GC/MS analyses for metabolic disorders in the tandem MS era” was organized by Professor Yosuke Shigematsu from the University of Fukui and Dr. Tetsuya Ito from Nagoya City University. In the afternoon, 31 posters were presented. For the best poster presentations, the awards were bestowed on three young scientists (Dr. Takahiro Hayasaka from Hamamatsu University, Dr. Shin Nishiumi from Kobe University, and Dr. Kazuyuki Sogawa from Chiba University Hospital).

On the second day, the third symposium, entitled “Novel applications of mass spectrometry to forensic toxicology” was held; it was organized by Professor Hiroshi Seno from Aichi Medical University and Professor Fumio Moriya from Kawasaki University of Medical Welfare. We invited Professor Tamie Nasu from Chubu University as the invited lecturer; she gave a fascinating lecture, entitled “Matsumoto and Tokyo subway sarin attack from the viewpoint of toxicology.” After the presentation by Professor Nasu, Professor Seiji Yamaguchi delivered a lecture entitled “Study on clinical application of mass spectrometry: detection and evaluation of metabolic disorders and fatty acids using GC/MS and MS/MS” as the recipient of the Isamu Matsumoto Memorial Award in 2012.

This topical collection is based on the presentations at the 37th Annual Meeting of JSBMS in Nagoya; we had 23 oral presentations (two regular sessions, three symposia, one invited lecture, and one lecture for the Memorial Award) and 31 poster presentations. In conclusion, we would like to express our deep appreciation and thanks to all the participants and staff members for this meeting.

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A. Ishii

Department of Legal Medicine and Bioethics, Nagoya University, 65 Tsurumai-cho, Showa-ku, Nagoya, Aichi 466-8550, Japan

M. Setou (✉)

Department of Cell Biology and Anatomy, Hamamatsu University School of Medicine, 1-20-1 Handayama, Hamamatsu, Shizuoka 431-3192, Japan
e-mail: setou@hama-med.ac.jp

T. Niwa

Department of Advanced Medicine for Uremia, Nagoya University Graduate School of Medicine, 65 Tsurumai-cho, Showa-ku, Nagoya 466-8550, Japan

Akira Ishii has been a Full Professor of the Department of Legal Medicine and Bioethics, Nagoya University Graduate School of Medicine since 2007. His research interests include the application of mass spectrometric methods to forensic toxicology. He is the author of over 120 peer-reviewed papers, 25 scientific papers, and 15 book chapters.

Mitsutoshi Setou has been Full Professor of Anatomy and Cell Biology at the Hamamatsu University School of Medicine since 2008. His research interests include the development and application of imaging mass spectrometry and systems biology with omics technologies. Dr Setou is the author of over 100 peer-reviewed papers, 150 scientific papers, 10 book chapters, and editor of a book on imaging mass spectrometry.

Toshimitsu Niwa is the President of the Japanese Society for Biomedical Mass Spectrometry.