

BRIEF ORAL PRESENTATION of SELECTED POSTERS (1 & 2)

16:50 – 17:50

Fundamental and Method Development (*Samda Hall A*)

Chair: Dr. Yong-Hyeon Yim (KRISS)

16:50 – 17:00	Quantitative phosphoproteome analysis applied to the human neural stem cell Kun Cho (Korea Basic Science Institute)
17:00 – 17:10	The analysis of polyethylene glycols, carbohydrate and amino acid using zinc oxide (ZnO) nanoparticles in surface-assisted laser desorption/ionization mass spectrometry (SALDI-MS) Aera Lee (Chungnam National University)
17:10 – 17:20	Isomeric discrimination and determination of thyroid hormone isomers, T3 and r-T3 by a single ratio kinetic method using ESI-MS/MS Avvaru Praveen Kumar (Changwon National University)
17:20 – 17:30	A soft preparative method for membrane proteome analysis with flow field-flow fractionation and nanoflow LC-ESI-MS/MS Duk Jin Kang (Yonsei University)
17:30 – 17:40	Applications of room temperature ionic liquid (RTIL) matrices for MALDI mass imaging of peptides adsorbed on organically modified surfaces Won-Jik Shin (Korea Research Institute of Standards and Science)
17:40 – 17:50	Cation-assisted laser desorption/ionization for surface mass spectrometry of alkanethiol SAMs on gold and gold nanoparticles Tae Kyung Ha (Sogang University)

Mass Spectrometric Applications (*Samda Hall B*)

Chair: Dr. Byung Joo Kim (KRISS)

16:50 – 17:00	GC-MS based multi-enzyme assay for identification of metabolic alteration in hormone-dependent diseases Ju-Yeon Moon (Korea Institute of Science and Technology)
17:00 – 17:10	Large-scale phosphoproteome analysis under low pH buffer condition by liquid chromatography-tandem mass spectrometry Hyunwoo Choi (Gwangju Institute of Science and Technology)
17:10 – 17:20	Determination of chloropropanols in foods by GC-MS Eunju Kim (Korea Food and Drug Administration)
17:20 – 17:30	Use of ultra-performance liquid chromatography coupled with quadrupole time-of-flight mass spectrometry to investigate tetracycline antibiotics in human urine samples Hua Jin (Changwon National University)
17:30 – 17:40	Mass spectrometric profiling of saturated fatty acid esters of steroid analyzed by high-temperature gas chromatography Hyun-Jin Jung (Korea Institute of Science and Technology)
17:40 – 17:50	Metabolic significance of bisphenol A induced oxidative stress in rat urine measured by liquid chromatography-mass spectrometry Sung-Hee Cho (Korea Institute of Science and Technology)