

Young Scientist Lecture 2

Wednesday, June 3

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Chair: **Hong Jin Lee** (Chung-Ang University, Korea)

YSL2-1 10:00-10:20

Metabolic Engineering of Yeast *Saccharomyces cerevisiae* for Production of Food Ingredients

Soo Rin Kim (Kyungpook National University, Korea)

YSL2-2 10:20-10:40

Rewiring of Metabolic Pathways in Microbial Cells to Produce Food Materials

Hyo Jin Kim (Korea Food Research Institute, Korea)

YSL2-3 10:40-11:00

Gas Chromatography/Mass Spectrometry-based Metabolomics: Applications to Plant, Microbial, and Human Systems

Sooah Kim (Korea University Graduate School, Korea)

YSL2-4 11:00-11:20

Effect of Gamma Irradiation on Physico-Chemical and Sensory Characteristics of Pomegranate Fruit (*Punica granatum* L.) and its ESR- and Luminescence-based Detection

Hafiz Shahbaz (Yonsei University, Korea)

YSL2-5 11:20-11:40

Synergistic Proteins for the Promoted Saccharification of Lignocellulose by Cellulolytic Enzymes

In Jung Kim (Korea University Graduate School, Korea)

YSL2-6 11:40-12:00

Prebiotic Effects of Novel Oligosaccharides: Sialyllactoses and Arabinooligosaccharides

Jin Seok Moon (Chungbuk National University, Korea)

YSL2-7 12:00-12:20

Synergistic Bactericidal Effects and Mechanisms of Action of a Novel Inactivation Method Using Medium Chain Fatty Acids in Combination with Organic Acids

Sun Ae Kim (Korea University, Korea)

YSL2-8 12:20-12:40

Discovery of a Novel Metabolic Pathway by Integrating Transcriptome and Metabolome Analyses

Eun Ju Yun (Korea University Graduate School, Korea)