

The 6th iBioK Asian Workshop

“Innovative bioproduction: production of fuels, and bulk & fine chemicals from biomass”

Date: 7(Mon)-8(Tue) December, 2015

Place: Centennial Hall, Kobe University

December 7th

9:20- Opening remarks

Prof. Sunghoon Park (Korea)

“Construction of 3-hydroxypropionic acid pathway using novel inducible promoters”

Prof. Jiang Min (China)

“Metabolic engineering of succinate-producing strains for improved resistance under acidic and osmotic conditions”

Prof. Zhi Li (Singapore)

“Engineering of active and recyclable biocatalysts for efficient biotransformation”

Prof. Yu-Kaung Chang (Taiwan)

“Nanofiber membrane chromatography: preparation and application to protein separation”

10:50 Coffee Break

Prof. Mitsuo Umetsu (Japan)

“Module library approach for bottom-up chimera/hybrid protein design”

Assoc. Prof. Chong Zhang (China)

“Intermediate-sensor assisted push-pull strategy: a technique that improves natural product production in microbial cell factories”

Prof. Hsiang-Yu Wang (Taiwan)

“Microfluidic bioreactor for screening cultivation conditions of microalgae”

12:00 Lunch

Dr. Ji Liu (Singapore)

“Discovery of new ene reductase for preparation of chiral aromatic compounds by cascade biotransformation”

Senior Assist. Prof. Takashi Osanai (Japan)

“Cyanobacterial metabolic engineering by genetic manipulation of transcriptional”

Prof. Yu-Shen Cheng (Taiwan)

“Think outside the cell: the thinkable role of cell wall carbohydrates in the bioprocess development for microalgal biofuel production”

Prof. Min-Kyu Oh (Korea)

“Metabolic engineering of microbial cells for 2,3-butanediol production”

Assoc. Prof. Guang-Yu Yang (China)

“Development and optimization of the enzymatic system for synthesis and remodeling of glycosphingolipids”

14:45- Coffee Break

Prof. I-Son Ng (Taiwan)

“Enhanced exopolysaccharide production and probiotic activity from *Lactobacillus rhamnosus* ZY”

Dr. Shuhei Noda (Japan)

“Metabolic design of a platform *Escherichia coli* strain producing various chorismate derivatives”

Dr. Angeline Ong Shufen (Singapore)

“Efficient production of L-lactic acid from cellulose by thermophilic *Bacillus coagulans*”

Assoc. Prof. Yung-Hun Yang (Korea)

“Production of microbial diamine”

December 8th

Prof. Honwei Yu (China)

“Construction of lycopene-overproducing *Saccharomyces cerevisiae* by combining directed evolution and metabolic engineering”

Prof. Hong-Wei Yen (Taiwan)

“An integrated system of microalgae cultivation combined with yeast fermentation”

Dr. Jin Chuan Wu (Singapore)

“Lactic acid from lignocellulose: How far from commercialization?”

Prof. Hiroshi Takagi (Japan)

“Stress tolerance of baker’s yeast during bread-making processes”

10:20 Coffee Break

Prof. Jong Moon Park (Korea)

“Application of MES(Microbial Electrosynthesis System) to CCU(Carbon Capture and Utilization)”

Assoc. Prof. Fumio Matsuda (Japan)

“Integrated metabolome, proteome, and fluxome analysis of central carbon metabolism in microbial cell factories”

Assoc. Prof. Gyoo Yeol Jung (Korea)

“Pathway rebalancing for chemical producers by synthetic regulators”

Prof. Song Yang (China)

“Genomic and metabolomic analysis of the molecular mechanism of 1-butanol tolerance in the adaptive evolution of *Methylobacterium extorquens* AM1”

11:45- Closing remarks

Registration Fees : Free

Innovative BioProduction Kobe (iBioK)

<http://www.org.kobe-u.ac.jp/bioproduction/>