



# The 1<sup>st</sup> MU-OU Joint Symposium

## Innovative Biotechnology: The Leading Edge for Sustainability

6 September 2019

Room K102, Faculty of Science, Mahidol University, Thailand

9.00-9.30

**Registration**

9.30-9.40

**Welcome and opening address**

9.40-10.05

**Overview of biotechnological research at Osaka University**

Prof. Kazuhito Fujiyama (Osaka University)

### **Session I: Microbial and Enzyme Biotechnology**

10.05-10.30

**"Yeast: an excellent biotechnological tool for green energy and environment"**

Assoc. Prof. Choowong Auesukaree (Mahidol University)

10.30-10.45

**Break**

10.45-11.10

**"BTEX-degrading *Microbacterium esteraromaticum* SBS1-7: its discovery and potential application"**

Asst. Prof. Thunyarat Pongtharangkul (Mahidol University)

11.10-11.35

**"Thinking outside the cell: *in vitro* reconstitution of artificial metabolic pathway"**

Assoc. Prof. Kohsuke Honda (Osaka University)

11.35-12.00

**"Mechanistic insights on snake venom-neurotransmitter interaction"**

Asst. Prof. Puey Ounjai (Mahidol University)

12.00-13.00

**Lunch**

### **Session II: Plant Biotechnology**

13.00-13.25

**"Production of heterologous protein for human health using plant cells"**

Prof. Kazuhito Fujiyama (Osaka University)

13.25-13.50

**"Plant allergens, cross-reactivity, and immunotherapy: Asia perspective"**

Asst. Prof. Wisuwat Songnuan (Mahidol University)

### **Session III: Animal Cell Technology**

13.50-14.15

**"Regulation of glycan structure by alteration of gene expression and culture condition"**

Assoc. Prof. Ryo Misaki (Osaka University)

14.15-14.30

**Break**

14.30-14.55

**"Creation of patient-specific disease models and application of 3D tissue culture as a platform for drug discovery"**

Dr. Suparek Borwornpinyo (Mahidol University)

14.55-15.20

**"Cell manufacturing for iPS cells"**

Prof. Masahiro Kino-oka (Osaka University)

15.20-15.50

**Discussion for future collaboration**

15.50-16.00

**Closing address**

For more information  
and preregistration, please contact  
Ms. Monludee Phianlertloy at  
monludee.phil@mahidol.ac.th or 0-2201-5920