



Tsinghua University – Tokyo Institute of Technology Joint Symposium

Date

1st September 2018

Venue

Meeting Room 201, Yingshi Lou Building, Tsinghua University

Organizer

Tsinghua University – Tokyo Institute of Technology Joint Program

Bio-Course

MOE Key Laboratory of Industrial Biocatalysis, Tsinghua University

Tsinghua University – Tokyo Institute of Technology

Joint Symposium

Time	Topic	
13:00-13:05	Opening Remarks Prof. Zheng Liu Tsinghua University	
<i>Session I</i>	Chair: Prof. Xin-Hui Xing	Tsinghua University
13:05-13:30	Prof. Yasunori Tanji	Tokyo Institute of Technology
	Biological souring in crude oil well	
13:30-13:55	Assistant Prof. Yuan Lu	Tsinghua University
	Cell-free synthetic biology: A bottom-up strategy to revolutionize the biomedical industry	
13:55-14:20	Dr. Tianmin Wang	Tsinghua University
	Studying bacterial genetics with CRISPR: high throughput genomics and guide RNA activity prediction model	
<i>Session II</i>	Chair: Assoc. Prof. Chong Zhang	Tsinghua University
14:20-14:45	Assoc. Prof. Toshiaki Kamachi	Tokyo Institute of Technology
	Methane/methanol conversion using photoenergy	
14:45-15:10	Prof. Hao Zheng	China Agricultural University
	Honeybee as a model for microbiome research	
15:10-15:35	Huang Qing	Tokyo Institute of Technology
	Studies on the role of parkin in degradation of tyrosine hydroxylase	
15:35-15:55	Coffee Break	

Time	Topic	
<i>Session III</i>	Chair: Assistant Prof. Yuan Lu	Tsinghua University
15:55-16:20	Assoc. Prof. Diannan Lu	Tsinghua University
	Markov state model for enzymatic catalysis	
16:20-16:45	Assistant Prof. Shun Iwatani	Tokyo Institute of Technology
	Characterization and application of cell surface proteins of lactic acid bacteria	
16:45-17:10	Zhipeng Li	Tokyo Institute of Technology
	Computer simulation on ferritin system	
<i>Session IV</i>	Chair: Dr. Yi Wang	Tsinghua University
17:10-17:35	Assoc. Prof. Zhen Chen	Tsinghua University
	Engineering amino acid synthesis pathways for the production of functional biochemicals	
17:35-18:00	Assistant Prof. Noritaka Iwai	Tokyo Institute of Technology
	Effects of EGTA treatment on cell surface structures of <i>Corynebacterium glutamicum</i>	
18:00-18:25	Zheng Lin Tan	Tsinghua University
	Microdroplets in bioprospecting and high-throughput biochemical analysis	
18:25-18:30	Closing Remarks Prof. Yasunori Tanji Tokyo Institute of Technology	

Note:

Each presentation includes 20 minutes of presentation and 5 minutes of Q&A session.

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