



# Dynamic Bacterial Landscapes :

Evolution, Interaction, and Innovation

細菌動態學：演化、互動與創新

7/03

14:00-17:00

@AgTech A134

## SPEAKERS

**IPMB** Kuo, Chih-Horng / 郭志鴻  
植微所 Chiou, Jiag-Geng / 邱澗庚

**IMB** Ting, See-Yeun / 陳詩允  
分生所 Lin, Wei-Hsiang / 林暉翔  
Kamino, Keita / 神野圭太

**IBC** Shih, Yu-Ling / 史有伶  
生化所 Ho, Meng-Chiao / 何孟樵

**IoP** Lo, Chien-Jung / 羅建榮  
物理所

## ORGANIZING UNITS

IPMB / 植物暨微生物學研究所

IMB / 分子生物研究所

IBC / 生物化學研究所



# Dynamic Bacterial Landscapes : Evolution, Interaction, and Innovation

細菌動態學：演化、互動與創新

DATE : July 3, 14:00~17:00

VENUE : Agricultural Technology Building A134 (Overflow room: A133)

## SESSION I Moderator : Lai, Erh-Min / 賴爾珉

14:00~14:20	Kuo, Chih-Horng 郭志鴻 / IPMB	Genomic Investigation of Agrobacteria for Improving Plant Transformation
14:20~14:40	Ting, See-Yeun 陳詩允 / IMB	Close-Quarters Combat: The Molecular Basis of Bacterial Antagonism
14:40~15:00	Shih, Yu-Ling 史有伶 / IBC	Glucose Metabolism in Bacterial Shape and Peptidoglycan Dynamics
15:00~15:20	Lin, Wei-Hsiang 林緯翔 / IMB	Studying Single-Cell ATP Dynamics of <i>E. coli</i> During Growth and Stress Conditions

15:00~15:20 COFFEE BREAK

## SESSION II Moderator : Ma, Ka-Wai / 馬家威

15:40~16:00	Ho, Meng-Chiao 何孟樵 / IBC	Phage-Bacteria Interactions and DNA Ejection at Molecular Level
16:00~16:20	Lo, Chien-Jung 羅建榮 / IoP	Bacteria in Motion
16:20~16:40	Kamino, Keita 神野圭太 / IMB	Acquisition and Usage of Sensory Information in <i>E. coli</i> Chemotaxis
16:40~17:00	Chiou, Jiag-Geng 邱澗庚 / IPMB	Collective Patterning in Bacterial Biofilm Development