



## [Session B] Spectroscopy for Biology

<b>Date / Time</b>	November 1, 2021 / 16:20-18:20
<b>Session Code</b>	MoB3-06
<b>Session Chair</b>	Prof. Sang Hak Lee (Pusan National University, Korea)

MoB3-06-1 **Keynote Talk**

[Pre-recorded] 16:20-16:50

**Single Molecule Nanoscience and Role of Fluctuation in Biological Molecular Motor**

Toshio Yanagida  
Osaka University, Japan

MoB3-06-2 **Invited Talk**

[Live] 16:50-17:10

**A Quantum Langevin Approach for Coupled Vibronic Dynamics and 2D Electronic Spectroscopy of Molecular Systems**

Man Tou Wong and Yuan-Chung Cheng  
National Taiwan University, Taiwan

MoB3-06-3 **Invited Talk**

[Pre-recorded] 17:10-17:30

**Microscopic Imaging of Cellular Differentiation in Phototrophs Based on Time-and Frequency-Domain Spectroscopy**

Shigeichi Kumazaki  
Kyoto University, Japan

MoB3-06-4 **Invited Talk**

[Live] 17:30-17:50

**NIR Fluorescent Imaging Paradigms for Multispectral Manifestation of Redox Dynamics and Pathological Progression**

Wang Zhimin, Thang do cong, and Xing Bengang  
Nanyang Technological University, Singapore

MoB3-06-5 **Oral**

[Live] 17:50-18:05

**High Throughput Evolution of DNA-Assembled Carbon Nanotubes for Optical Neurochemical Nanosensors**

Sanghwa Jeong<sup>1,2</sup> and Markita P. Landry<sup>2</sup>  
<sup>1</sup>Pusan National University, Korea, <sup>2</sup>University of California, USA

MoB3-06-6 **Oral**

[Live] 18:05-18:20

**Structural and Biochemical Analysis of Deubiquitinases from SARS-CoV-2 and Legionella Pneumophila**

Donghyuk Shin  
Yonsei University, Korea