



[MoPM2-05] Monitoring of Biological Reaction

Date / Time Aug. 27 (Mon.), 2018 / 16:45-18:45

Place Samda B (Room D)

[MoPM2-05-I-1] (Invited)

16:45-17:05

Vibrational Micro- and Nanospectroscopy of *Burkholderia Contaminans* Biofilms

Cecilia Figoli¹, Maren Stämmeler², Beltina León¹, Christoph Schaudinn², Alejandra Bosch¹, Michael Laue², and Peter Lasch²

¹UNLP, Argentina, ²Robert Koch-Institut, Germany

[MoPM2-05-I-2] (Invited)

17:05-17:25

Photo-oxidation of Tryptophan in a Protein

Joel Rivera, Justine Liang, Ignacio López-Peña, and Judy E. Kim
University of California at San Diego, USA

[MoPM2-05-O-4]

17:25-17:40

Characterisation of the Molecular Composition and Impact of Stresses on Bacterial Cells Using Vibrational Spectroscopy Combined with Transcriptomic Analysis

Mya Myintzu Hlaing¹, Bayden R. Wood², Don McNaughton², and Mary Ann Augustin¹

¹CSIRO, Australia, ²Monash University, Australia

[MoPM2-05-O-5]

17:40-17:55

Raman Optical Activity Spectroscopy of a New Microbial Rhodopsin with Inward Proton Transport Activity

Tomotsumi Fujisawa¹, Ryosuke Kuroiwa¹, Megumi Kamimura¹, Saki Inoue², Yuki Sudo², and Masashi Unno¹

¹Saga University, Japan, ²Okayama University, Japan

[MoPM2-05-K-6] (Keynote)

17:55-18:25

Raman Spectroscopy for Analysis of Biological Reaction

Hidetoshi Sato, Kamila Moor, Anggara Mahardika, Kosuke Hashimoto, Akinori Taketani, Mika Ishigaki, and Bibin B. Andriana

Kwansei Gakuin University, Japan

[MoPM2-02-I-2] (Invited)

17:05-17:25

Light-driven Cation Pump Mechanism of a Sodium Ion Pump Derived by Its Chromophore Structure of Photointermediates

Misao Mizuno

Osaka University, Japan