

[FrAM-05] Biomedical Application-2	
Date / Time	Aug. 31 (Fri.), 2018 / 09:00-11:00
Place	Samda B (Room D)
Session Chair	Seung-Hyun Lee (Gachon University, Korea)

[FrAM-05-O-1] 09:00-09:15

Comparison of the Structures in Two Functional Conditions of *Krokinobacter Rhodopsin 2*

Akihiro Otomo¹, Misao Mizuno¹, Keiichi Inoue², Hideki Kandori², and Yasuhisa Mizutani¹

¹Osaka University, Japan, ²Nagoya Institute of Technology, Japan

[FrAM-05-O-2] 09:15-09:30

Raman and IR Study of Cu(II) Complex with L-Proline Molecule

Bhargab Borah, M.M. Borah, and Th. Gomti Devi

North Eastern Regional Institute of Science and Technology, India

[FrAM-05-O-3] 09:30-09:45

Resonance Raman Spectra of Diprotonated Forms of Porphyrins

Alexander Starukhin^{1,2}, Aleksandr Gorski², Sylwester Gawinkowski², and Michał Kijak²

¹National Academy of Science of Belarus, Belarus, ²Polish Academy of Sciences, Poland

[FrAM-05-O-4] 09:45-10:00

Investigating Proton Transfer in Cytochrome C Oxidase Using Surface-Enhanced Resonance Raman Spectroscopy and Inverse Electron-Transfer Entailed by Inhibition with KCNO

Fabian Kruse and Inez Weidinger

Technische Universität Dresden, Germany

[FrAM-05-O-5] 10:00-10:15

Development of SERS-Based Lateral Flow Assay for Highly Accurate Diagnosis of *Scrub Typhus Rickettsial* Disease

See Hi Lee and Jaebum Choo

Hanyang University, Korea

[FrAM-05-O-6] 10:15-10:30

Coded Excitation and Correlation Sidelobe Suppression for Ultrasensitive Surface-Enhanced Raman Scattering

Wonkyoung Lee^{1,2}, Bong Kyu Kim², and Ki-Hun Jeong

¹KAIST, Korea, ²Electronics and Telecommunications Research Institute, Korea

[FrAM-05-O-7] 10:30-10:45

A Comparison of Wavenumber Calibration, Parametric Time Warping (PTW), Dynamic Time Warping (DTW) for Alignment of Raman Spectral Data

Mehul Chhallani^{1,2}, Thomas Bocklitz^{1,2}, and Jürgen Popp^{1,2}

¹Friedrich Schiller Univ., Germany, ²Leibniz Institute of Photonic Technology (Leibniz-IPHT), Germany