



[FrAM-05] Biomedical Application-2

Date / Time Aug. 31 (Fri.), 2018 / 09:00-11:00

Place Samda B (Room D)

[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**

Rapid Diagnostics of Atherosclerosis in Aorta and Liver Steatosis by Fiber Optic Raman Spectroscopy

Krzysztof Czamara, Zuzanna Majka, Marta Z. Pacia, Magdalena Zebala, Aleksandra Fus, Kamila Matjasik, Magdalena Sternak, Edyta Kus, Stefan Chlopicki, and Agnieszka Kaczor

Jagiellonian University, Poland

[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



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[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}

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