



[WeAM-02] Time-Resolved Vibrational Spectroscopy 4: Biological Systems

Date / Time Aug. 29 (Wed.), 2018 / 10:00-12:00

Place 301 (Room E)

[WeAM-02-K-1] (Keynote)

10:00-10:30

Delocalized Phonon-like Modes in Biomolecules

Mario González-Jiménez¹, Gopakumar Ramakrishnan¹, Thomas Harwood², Adrian J. Lapthorn¹, Sharon M. Kelly¹, Elizabeth M. Ellis², and Klaas Wynne¹

¹University of Glasgow, U.K., ²University of Strathclyde, U.K.

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

10:30-10:50

Compactness of Protein Structure Facilitates Vibrational Energy Flow

Yasuhisa Mizutani

Osaka University, Japan

[WeAM-02-I-3] (Invited)

10:50-11:10

Raman Vibrational Coherence Spectroscopy and Kinetic Studies of Biomolecules

Paul M. Champion

Northeastern University, USA

[WeAM-02-O-4]

11:10-11:25

Ultrafast Protein Dynamics of Bacteriorhodopsin Revealed by Deep-UV Femtosecond Stimulated Raman Spectroscopy

Shinya Tahara¹, Hikaru Kuramochi^{1,2}, Satoshi Takeuchi^{1,2}, and Tahei Tahara^{1,2}

¹RIKEN, Japan, ²RIKEN Center for Advanced Photonics (RAP), Japan

[WeAM-02-O-5]

11:25-11:40

Structural Templating of a Conjugated Polyelectrolyte with Single-stranded DNA

Eliana Nicolaidou¹, Lisa Peterhans², Natalie Banerji^{2,3}, and Sophia C. Hayes¹

¹University of Cyprus, Cyprus, ²University of Fribourg, Switzerland, ³University of Bern, Switzerland