

[TuAM-03] Analytical Raman Techniques / Instrumentations-04	
Date / Time	Aug. 28 (Tue.), 2018 / 10:00-12:00
Place	Halla B (Room B)
Session Chair	Igor Lednev (University at Albany, SUNY, USA)

[TuAM-03-I-1] (Invited) 10:00-10:20

Separation-Guided Resolution of Spectral Signatures Using Two-Dimensional Correlation Analysis

Ye Li¹, Claudiu Brumaru¹, Yeonju Park², Young Mee Jung², and M. Lei Geng¹

¹University of Iowa, USA, ²Kangwon National University, Korea

[TuAM-03-I-2] (Invited) 10:20-10:40

Utilizing Ultralow-Frequency Raman Spectra to Reveal Biomolecular Structure and Intracellular Environment

Shinsuke Shigeto

Kwansei Gakuin University, Japan

[TuAM-03-O-3] 10:40-10:55

Essential Oils of *Alpinia Roxb in situ* Research with Raman

Min-zhen Si, Jia-wang Li, Yong-an Yang, De-qing Zhang, Lun Li, and Chuan-yun Zhang

Jiangnan University, China

[TuAM-03-O-4] 10:55-11:10

Raman Spectroscopy as a Sensitive Probe for Qualitative and Quantitative Evaluation of Genetically Enhanced Production of Lipid Bodies

Kamila Kochan, Huadong Peng, Bayden Wood, and Victoria Haritos

Monash University, Australia

[TuAM-03-O-5] 11:10-11:25

Formation of "Nano-Ice" in Low-Temperature Liquid Water as Revealed by Multivariate Hyperspectral Analysis of Temperature Determined Raman Spectra

Hajime Okajima^{1,3}, Masahiro Ando^{2,3}, and Hiro-o Hamaguchi^{4,5}

¹Aoyama Gakuin University, Japan, ²Waseda University, Japan, ³JST, Japan, ⁴National Chiao-Tung University, Taiwan, ⁵Spectroscopic Science Laboratory Co., Japan

[TuAM-03-K-6] (Keynote) 11:25-11:55

Two-Dimensional Raman Correlation Spectroscopy Study of Bioplastics

Isao Noda^{1,2}, D. Bruce Chase¹, and John F. Rabolt¹

¹University of Delaware, USA, ²Danimer Scientific, USA