



[FrAM-03] Analytical Raman Techniques / Instrumentations-11	
Date / Time	Aug. 31 (Fri.), 2018 / 09:00-11:00
Place	Halla B (Room B)
Session Chair	Ewan Blanch (RMIT University, Australia)

[FrAM-03-K-1] (Keynote) 09:00-09:30

Raman Optical Activity for Structural Analysis of Proteins

Shigeki Yamamoto

Osaka University, Japan

[FrAM-03-I-2] (Invited) 09:30-09:50

Raman Optical Activity (ROA): A Sensitive Probe of Higher Order Structure and Stability of Biopharmaceuticals

Laurence A. Nafie^{1,2} and Rina K. Dukor²

¹*Syracuse University, USA*, ²*BioTools, Inc., USA*

[FrAM-03-I-3] (Invited) 09:50-10:10

Signal Enhancement, Chirality Induction and Molecular Specificity in Resonance ROA

Grzegorz Zając, Monika Dudek, Ewa Machalska, Anna Gruca, Małgorzata Baranska, and Agnieszka Kaczor
Jagiellonian University, Poland

[FrAM-03-O-4] 10:10-10:25

Intramolecular Enantiomerism as Revealed from the Intensity of Raman Optical Activity (ROA) Spectrum

Peijie Wang

Capital Normal University, China

[FrAM-03-O-5] 10:25-10:40

Quantitative Measurements of Aqueous Boric Acid Speciation up to Hydrothermal Conditions Using Polarized Raman Spectroscopy

S. Sasidharanpillai, J. S. Cox and P. R. Tremaine

University of Guelph, Canada

[FrAM-03-O-6] 10:40-10:55

Metrology Study of Raman Spectroscopy: Traceability, Reference Materials and Uncertainty Evaluation

Yaxuan Yao, Lingling Ren, Huifang Gao, and Tianjia Bu

National Institute of Metrology, China