



[MoPM1-01] Biological Applications-1

Date / Time Aug. 27 (Mon.), 2018 / 14:30-16:30

Place Halla A (Room A)

[MoPM1-01-K-1] (Keynote)

14:30-15:00

Biomedical Application of SERS: Diagnostics, Metabolomics, Forensics

Lawrence D. Ziegler

Boston University, USA

[MoPM1-01-I-2] (Invited)

15:00-15:20

In-Vivo and Intraoperative SERS in the First and Second NIR Windows

Lucas A. Lane¹, Ruiyang Xue², and Shuming Nie^{1,2}

¹Nanjing University, China, ²University of Illinois at Urbana-Champaign, USA

[MoPM1-01-I-3] (Invited)

15:20-15:40

Detection and Identification of Plant Pathogens with a Handheld Raman Spectrometer

Charles Farber, Veronica Egging, Jasmine Nguyen, and Dmitry Kurouski

Texas A&M University, USA

[MoPM1-01-I-4] (Invited)

15:40-16:00

Nickle Nanostruces as Electron Donors and SERS-active Substrates for Investigation of Cytochrome c Functions

Xiaoxia Han

Jilin University, China

[MoPM1-01-O-5]

16:00-16:15

Real-Time Galectin-9 Recognition SERS Assay Based on Nanoparticle Aggregation in Solution

Judith Langer^{1,2}, Isabel García^{1,2}, and Luis Liz-Marzán^{1,2,3}

¹CIC biomaGUNE, Spain, ²Biomaterials and Nanomedicine (CIBER-BBN), Spain, ³Basque Foundation for Science, Spain

[MoPM1-01-O-6]

16:15-16:30

Surface Enhanced Raman Scattering and Molecular Docking Studies on Acetyl Salicylic Acid (Aspirin) as a Potent CDK2 Inhibitor for Colon Cancer Treatment

R. Premkumar¹, Shamima Hussain², V. K. Rastogi³, T. Mathavan¹, and A. Milton Franklin Benial¹

¹N.M.S.S. Vellaichamy Nadar College, India, ²UGC-DAE CSR, India, ³Indian Spectroscopy Society, India