



[MoPM1-01] Biological Applications-1	
Date / Time	Aug. 27 (Mon.), 2018 / 14:30-16:30
Place	Halla A (Room A)
Session Chair	Yung Doug Suh (KRICT, Korea)

[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}

¹*Nanjing University, China*, ²*University 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 Kuroski

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 Garcia^{1,2}, and Luis Liz-Marzán^{1,2,3}

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

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