



[MoPM2-01] Biological Applications-2

Date / Time Aug. 27 (Mon.), 2018 / 16:45-18:45

Place Halla A (Room A)

[MoPM2-01-K-1] (Keynote)

16:45-17:15

Nanogap-Enhanced Raman Scattering (NERS)

Yung Doug Suh

KRICT/SKKU, Korea

[MoPM2-01-I-2] (Invited)

17:15-17:35

Ultrasensitive Molecular Detection via Pre-concentrated Surface Enhanced Raman Spectroscopy

Dongjie Zhang, Rui Hao, Hongjun You, and Jixiang Fang

Xi'an Jiaotong University, China

[MoPM2-01-I-3] (Invited)

17:35-17:55

Developing Functional Nanomaterials for Sensitive Bioimaging Applications

Dong-Kwon Lim

Korea University, Korea

[MoPM2-01-O-4]

17:55-18:10

ImmunoSERS Staining of Smooth Muscle Cells in the Atherosclerotic Plaque

Ewelina Wiercigroch¹, Elzbieta Stepula², Lukasz Mateuszuk³, Yuying Zhang⁴, Malgorzata Baranska^{1,3}, Stefan Chlopicki³, Sebastian Schlücker², and Kamilla Malek¹

¹Jagiellonian University, Poland, ²University of Duisburg-Essen, Germany, ³Jagiellonian University, Poland

[MoPM2-01-O-5]

18:10-18:25

Interaction of Gold Nanoparticles and Lipid Membranes: Insights from SERS and Cryo-EM

Vesna Živanović¹, Zdravko Kochovski², Christoph Arenz¹, Yan Lu^{2,3}, and Janina Kneipp¹

¹Humboldt-Universität zu Berlin, Germany, ²Helmholtz-Zentrum Berlin für Materialien und Energie, Germany, ³University of Potsdam, Germany

[MoPM2-01-O-6]

18:25-18:40

Tip-Enhanced Raman Spectroscopy of A β and K18 Peptides Implicated in Alzheimer's Disease

Sébastien Bonhommeau, David Talaga, Christophe Cullin, Julien Hunel, Laurie Lescos, and Sophie Lecomte

Université de Bordeaux, France