



[WeAM-07] Biological Applications-3

Date / Time Aug. 29 (Wed.), 2018 / 10:00-12:00

Place 302 (Room F)

[WeAM-07-I-1] (Invited)

10:00-10:20

Surface-enhanced Hyper Raman Scattering for the Characterization of Nano-Bio Interactions

Janina Kneipp, Fani Madzharova, Zsuzsanna Heiner, Vesna Živanović, and Daniela Drescher
Humboldt-Universität zu Berlin, Germany

[WeAM-07-I-2] (Invited)

10:20-10:40

Gold Nanostructures for Biological Applications

Sungjee Kim
Pohang University of Science & Technology, Korea

[WeAM-07-I-3] (Invited)

10:40-11:00

Fabrication of Sensitive SERS Substrate and Their Applications in Catalysis and Biosensing

Wei Song
Jilin University, China

[WeAM-07-I-4] (Invited)

11:00-11:20

Metal Assembled Structure for SERS Based Bio-applications

Bong-Hyun Jun
Konkuk University, Korea

[WeAM-07-O-5]

11:20-11:35

Magnetically Assisted Surface-Enhanced Raman Spectroscopy for C-Reactive Protein Detection with High Sensitivity Using an Aptamer-based Sandwich Assay

Ziwei Hu, Jiayi You, Zitao Wang, Ting Zhao, Xiaochen Liang, Xingjie Yang, Zhengjin Jiang, and Haibo Zhou
Jinan University, China

[WeAM-07-O-6]

11:35-11:50

Sandwichsystem forSERS Detection of Multiple Pathogenic Bacteria Equipped with Bacitracin-Based Recognition ElementsandBoronate-AssistedGO-Au@Agnano-tags

Kaisong Yuan^{1,2}, Xinjie Guo¹, Annan Yang¹, Zhengjin Jiang¹, and Haibo Zhou¹
¹Jinan University, China, ²University of Alcala, Spain



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[WeAM-07-O-7]

11:50-12:05

Estimation of HIV-1 Viral Load in Infected Plasma Using the Intensity of Associated Surface Enhanced Raman Spectroscopic Peaks

Ben Otange¹, Dr. Ronald Rop¹, Dr. Zephania Birech² and Dr. Julius Oyugi²

¹Egerton University, Kenya, ²University of Nairobi, Kenya