



## [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  
KonkU.K. 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<sup>1,2</sup>, Xinjie Guo<sup>1</sup>, Annan Yang<sup>1</sup>, Zhengjin Jiang<sup>1</sup>, and Haibo Zhou<sup>1</sup>  
<sup>1</sup>Jinan University, China, <sup>2</sup>University of Alcala, Spain



The 26<sup>th</sup> International Conference on Raman Spectroscopy

**ICORS 2018**

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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 Otange<sup>1</sup>, Dr. Ronald Rop<sup>1</sup>, Dr. Zephania Birech<sup>2</sup> and Dr. Julius Oyugi<sup>2</sup>

<sup>1</sup>Egerton University, Kenya, <sup>2</sup>University of Nairobi, Kenya