



[WeAM-05] Cell-Based Assay

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

Place Samda B (Room D)

[WeAM-05-K-1] (Keynote)

10:00-10:30

Red Blood Cell Resonators

Bayden R. Wood¹, David Perez-Guaita¹, Andrew Hudson², and Katarzyna Marzec³

¹Monash University, Australia, ²University of Leicester, U.K., ³Jagiellonian University, Poland

[WeAM-05-I-2] (Invited)

10:30-10:50

Plasmonic-Carbon Hybrid Nanosystem for Molecular Detection based on Localized Surface Plasmon

Seunghyun Lee

Gachon University, Korea

[WeAM-05-I-3] (Invited)

10:50-11:10

Au@Ag@ZIF-8 Nanocrystals as SERS Tags for the Immobilization of Proteins and Multiplex Immunophenotyping

Jorge Pérez-Juste

University of Vigo, Spain

[WeAM-05-I-4] (Invited)

11:10-11:30

Objective Discrimination of Breast Cancer Cells by Raman Microspectroscopy and MCR Analysis

Tatsuyuki Yamamoto and Hemanth Noothalapati

Shimane University, Japan

[WeAM-05-O-5]

11:30-11:45

Identify and Localize Intracellular Multifunctional Nanodiamond Using Raman Spectroscopy

Yu-Chung Lin^{1,2}, Zhe-Rui Lin¹, Chia-Chi Chang¹, Elena Perevedentseva¹, and Chia-Liang Cheng¹

¹National Dong Hwa University, Taiwan, ²Academia Sinica, Taiwan

[WeAM-05-O-6]

11:45-12:00

Immunoabsorption Therapy Follow-up for Dilated Cardiomyopathy Using Vibrational Spectroscopies

Jing Huang^{1,2,3}, Anuradha Ramoji^{2,3}, Michel Noutsias^{3,4}, Jürgen Popp^{1,2,3,5}, and Ute Neugebauer^{1,2,3,5}

¹Friedrich-Schiller University, Germany, ²Leibniz Institute of Photonic Technology, Germany, ³Jena University Hospital, Germany, ⁴Martin-Luther-University Halle, Germany, ⁵InfectoGnostics Research Campus Jena, Germany