



[ThAM-05] Biochemical Sensing

Date / Time Aug. 30 (Thu.), 2018 / 10:00-12:00

Place Samda B (Room D)

[ThAM-05-I-1] (Invited)

10:00-10:20

Flexible Metalized Silicon Nanopillar SERS Substrates for Biomedical Trace Detection

Marlitt Viehrig, Onur Durucan, Kaiyu Wu, Lidia Morelli, Kuldeep Sanger, Kinga Zor, Marco Matteucci, Tommy Sonne Alstrøm, Tomas Rindzevicius, Michael Stenbæk Schmidt, and Anja Boisen
Technical University of Denmark, Denmark

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

10:20-10:40

Synthesis of Au Nanostructures and Biomedical Applications

Taejoon Kang
Korea Research Institute of Bioscience and Biotechnology, Korea

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

10:40-11:00

Carbohydrate Antennas of Glycoproteins Investigated by Raman Spectroscopy and Raman Optical Activity

Vladimír Kopecký Jr., Kateřina Hofbauerová, and Vladimír Baumruk
Charles University, Czech Republic

[ThAM-05-O-4]

11:00-11:15

Characterization of Cells and Extracellular Vesicles with Correlative SEM-Raman

A. Enciso-Martinez¹, P. Beekman², A. Nanou¹, H. Rho¹, L.W.M.M. Terstappen¹, and C. Otto¹
¹Univeristy of Twente, The Netherlands, ²Wageningen University, The Netherlands

[ThAM-05-O-5]

11:15-11:30

Nanowire Based Surface-enhanced Raman Scattering Platform for Biochemical Sensing

Hongki Kim¹, Bongsoo Kim², and Taejoon Kang¹
¹Korea Research Institute of Bioscience and Biotechnology, Korea, ²KAIST, Korea

[ThAM-05-K-6] (Keynote)

11:30-12:00

Surface-enhanced Raman Scattering for Living Single Cell Analysis

Mustafa Culha, Gamze Kuku, Mine Altunbek, Deniz Yasar Oztas, and Melike Saricam
Yeditepe University, Turkey