



[MoAM-05] Clinical Application

Date / Time Aug. 27 (Mon.), 2018 / 10:00-12:00

Place Samda B (Room D)

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

10:00-10:20

Plasmonics at the Point-of-Care

Christa Brosseau, Dalal Alhatab, Shruti Bindesri, and Reem Karaballi
Saint Mary's University, Canada

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

10:20-10:40

Application of SERS on Microfluidic Platform for Single Cell Study: Problems and Challenges

Qing Huang^{1,2}

¹Chinese Academy of Sciences, China, ²University of Science and Technology of China, China

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

10:40-11:00

SERS and SERRS of 8-Nitroguanine in Oligonucleotides: Sensitive Detection of a Self-Labeling DNA Modification

Susan Dick¹, Steven E. J. Bell¹, Katie J. Alexander², Ian A. O'Neil², and Richard Cosstick²

¹Queen's University, U.K., ²University of Liverpool, U.K.

[MoAM-05-O-4]

11:00-11:15

Rapid Detection and Identification of Bacterial Pathogens in Clinical and Environmental Samples by SERS Method and Principal Component Analysis

Agnieszka Kamińska¹, Evelin Witkowska¹, Krzysztof Niciński¹, Tomasz Szymborski¹, Aneta Kowalska¹, and Dorota Korsak²

¹Polish Academy of Sciences, Poland, ²University of Warsaw, Poland

[MoAM-05-O-5]

11:15-11:30

Bead-based Surface Enhanced Raman Spectroscopy (SERS) Discrimination of Whole Mycobacterial Cells: Towards a Point of Care TB Diagnostic Device

F. B. Khumalo^{1,2}, N.R. Hendricks-Leukes², and J.M. Blackburn²

¹Council for Scientific and Industrial Research, Biosciences, South Africa, ²University of Cape Town, South Africa

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

11:30-12:00

Raman for Clinics - Quo Vadis?

Juergen Popp^{1,2}

¹Leibniz Institute for Photonic Technology (IPHT) Jena, Germany, ²Friedrich Schiller University Jena, Germany