

[MoAM-05] Clinical Application	
Date / Time	Aug. 27 (Mon.), 2018 / 10:00-12:00
Place	Samda B (Room D)
Session Chair	Peter Lasch (Robert Koch-Institute Berlin, Germany)

[MoAM-05-I-1] (Invited) 10:00-10:20

Plasmonics at the Point-of-Care

Christa Brosseau, Dalal Alhatab, Shruti Bindsri, 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}
¹*Chinese Academy of Sciences, China*, ²*University 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
¹*Queen's University, U.K.*, ²*University 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
¹*Polish Academy of Sciences, Poland*, ²*University 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
¹*Council for Scientific and Industrial Research, Biosciences, South Africa*, ²*University of Cape Town, South Africa*

[MoAM-05-K-6] (Keynote) 11:30-12:00

Raman for Clinics - Quo Vadis?

Juergen Popp^{1,2}
¹*Leibniz Institute for Photonic Technology (IPHT) Jena, Germany*, ²*Friedrich Schiller University Jena, Germany*