



[TuPM2-05] Therapy and Diagnostics

Date / Time Aug. 28 (Tue.), 2018 / 16:45-18:45

Place Samda B (Room D)

[TuPM2-05-I-1] (Invited)

16:45-17:05

Single Cell Cancer Theranostics Using SERS-active Folate Based Nanovectors

C. Fasolato^{1,2}, S. Giantulli², A. Capocefalo², P. Postorino², and F. Domenici³

¹University of Basel, Switzerland, ²Sapienza University, Italy, ³Tor Vergata University, Italy

[TuPM2-05-I-2] (Invited)

17:05-17:25

From Cell Cultures and Human Tissue to in Vivo Cancer Clinical Translation

Abramczyk Halina, Imiela Anna, Brożek-Płuska Beata, Surmacki Jakub, and Kopeć Monika

Lodz University of Technology, Poland

[TuPM2-05-I-3] (Invited)

17:25-17:45

Immobilization of DNA on Metal Substrates: Towards SERS- based Nanochips for Melanoma Marker Detection

Aleksandra Jaworska¹, Edyta Pyrak^{1,2}, Tomasz Wilanowski², and Andrzej Kudelski¹

¹University of Warsaw, Poland, ²Nencki Institute of Experimental Biology of Polish Academy of Sciences, Poland

[TuPM2-05-O-4]

17:45-18:00

Gap-Enhanced Raman Tags (GERTs) for Intraoperative Cancer Imaging and Therapy

Jian Ye

Shanghai Jiao Tong University, China

[TuPM2-05-O-5]

18:00-18:15

Toward Decentralizing and Simplifying Mycobacteria Tuberculosis (mycTB) Pathogen Detection: An Electrochemical Surface Enhanced Raman Spectroscopy (ecSERS)-based Nanosensor Approach

Nicolette R. Hendricks-Leukes¹, Fezile Khumalo¹, Mario Jonas², Jonathan M. Blackburn¹

University of Cape Town, South Africa

[TuPM2-05-K-6] (Keynote)

18:15-18:45

SERS Optophysiology of Living Cells and Neurons

Jean Francois Masson, Felix Lussier, Hu Zhu, and C. Geraldine Bazuin

Universite de Montreal, Canada