



<b>[TuPM2-05] Therapy and Diagnostics</b>	
<b>Date / Time</b>	Aug. 28 (Tue.), 2018 / 16:45-18:45
<b>Place</b>	Samda B (Room D)
<b>Session Chair</b>	Ki-Hun Jeong (KAIST, Korea)

**[TuPM2-05-I-1] (Invited) 16:45-17:05**

**Single Cell Cancer Theranostics Using SERS-Active Folate Based Nanovectors**

C. Fasolato<sup>1,2</sup>, S. Giantulli<sup>2</sup>, A. Capoccefalo<sup>2</sup>, P. Postorino<sup>2</sup>, and F. Domenici<sup>3</sup>

<sup>1</sup>University of Basel, Switzerland, <sup>2</sup>Sapienza University, Italy, <sup>3</sup>Tor Vergata University, Italy

**[TuPM2-05-I-2] (Invited) 17:05-17:25**

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

Aleksandra Jaworska<sup>1</sup>, Edyta Pyrak<sup>1,2</sup>, Tomasz Wilanowski<sup>2</sup>, and Andrzej Kudelski<sup>1</sup>

<sup>1</sup>University of Warsaw, Poland, <sup>2</sup>Nencki Institute of Experimental Biology of Polish Academy of Sciences, Poland

**[TuPM2-05-O-3] 17:25-17:40**

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

Jian Ye

Shanghai Jiao Tong University, China

**[TuPM2-05-O-4] 17:40-17:55**

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

Nicolette R. Hendricks-Leukes, Fezile Khumalo, Mario Jonas, and Jonathan M. Blackburn

University of Cape Town, South Africa

**[TuPM2-05-K-5] (Keynote) 17:55-18:25**

**SERS Optophysiology of Living Cells and Neurons**

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

Universite de Montreal, Canada