



<b>[ThPM2-05] Biomedical Application-1</b>	
<b>Date / Time</b>	Aug. 30 (Thu.), 2018 / 16:45-18:45
<b>Place</b>	Samda B (Room D)
<b>Session Chair</b>	Taejoon Kang (KRIBB, Korea)

**[ThPM2-05-O-1] 16:45-17:00**

**A Novel Confocal Raman Microspectroscopic Method for Recognizing Gastric Adenocarcinoma and Gastrointestinal Stromal Tumors**

Chih-Wei Hsu<sup>1,2</sup>, Chia-Chi Huang<sup>2</sup>, Lai-Kwan Chau<sup>3</sup>, and Wenlung Chen<sup>2</sup>

<sup>1</sup>Tung's Taichung MetroHarbor Hospital, Taiwan, <sup>2</sup>National Chiayi University, Taiwan, <sup>3</sup>National Chung Cheng University, Taiwan

**[ThPM2-05-O-2] 17:00-17:15**

**Non-Invasive Diagnosis of Bladder Cancer and Assessment of Cancer Therapy by Raman Microscopy**

Samir F. El-Mashtoly, Tatjana Frick, Hesham K. Yosef, Sascha D. Krauß, Dennis Petersen, Martin Schuler, Axel Mosig, and Klaus Gerwert

Ruhr-University Bochum, Germany

**[ThPM2-05-O-3] 17:15-17:30**

**Volumetric Structural Mapping of API Using Polarized Linefocus Raman Microscopy**

Roman Slipets<sup>1</sup>, Oleksii Ilchenko<sup>1</sup>, Peter Ouma Okeyo<sup>1,2</sup>, Thomas Rades<sup>2</sup>, Jukka Rantanen<sup>2</sup>, and Anja Boisen<sup>1</sup>

<sup>1</sup>Technical University of Denmark, Denmark, <sup>2</sup>University of Copenhagen, Denmark

**[ThPM2-05-O-4] 17:30-17:45**

**Fingerprint-to-CH Stretch Region Fast Tunable Stimulated Raman Scattering Microscope**

Sergey P. Laptinok, Vijayakumar P. Rajamanickam, Tual Monfort, Andrea Bertocini, and Carlo Liberale

King Abdullah University of Science and Technology (KAUST), Saudi Arabia

**[ThPM2-05-O-5] 17:45-18:00**

**Raman Spectroscopy as a Powerful Tool for Investigation of Prostate Cancer Cells Treated with Clinical Doses of Ionizing Radiation**

Maciej Roman, Agnieszka Panek, Tomasz P. Wróbel, Joanna Wiltowska-Zuber, and Wojciech M. Kwiatek

Institute of Nuclear Physics, Polish Academy of Sciences, Poland

**[ThPM2-05-O-6] 18:00-18:15**

**Using Shifted Excitation Raman Difference Spectroscopy to Remove Auto-Fluorescence Background in Raman Spectra of Different Tissue Samples**

Clara Stiebing<sup>1</sup>, Florian Korinth<sup>1</sup>, Eliana Cordero<sup>1</sup>, Iwan W. Schie<sup>1</sup>, Christoph Krafft<sup>1</sup>, and Jürgen Popp<sup>1,2</sup>

<sup>1</sup>Leibniz Institute of Photonic Technology (IPHT), Germany, <sup>2</sup>Friedrich Schiller University Jena, Germany