



[ThPM2-05] Biomedical Application-1

Date / Time Aug. 30 (Thu.), 2018 / 16:45-18:45

Place Samda B (Room D)

[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^{1,2}, Chia-Chi Huang², Lai-Kwan Chau³, and Wenlung Chen²

¹Tungs' Taichung MetroHarbor Hospital, Taiwan, ²National Chiayi University, Taiwan, ³National 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 Slipets¹, Oleksii Ilchenko¹, Peter Ouma Okeyo^{1,2}, Thomas Rades², Jukka Rantanen², and Anja Boisen¹

¹Technical University of Denmark, Denmark, ²University 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 Bertoncini, 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



The 26th International Conference on Raman Spectroscopy

ICORS 2018

August 26-31, 2018 / ICC Jeju, Jeju Island, Korea

[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 Stiebing¹, Florian Korinth¹, Eliana Cordero¹, Iwan W. Schie¹, Christoph Krafft¹, and Jürgen Popp^{1,2}

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

[ThPM2-05-O-7]

18:15-18:30

Spectroscopic Insight into Binding of Nobiletin to DNA and BSA: Comparative Analysis to Unveil Antitumor Potential

Bhumika Ray^{1,2} and Ranjana Mehrotra^{1,2}

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