



Independent Unit of Spectroscopy and Chemical Imaging
Faculty of Biomedicine

Medical University of Lublin

Seminar programme 24th of May 2024

“3rd Seminar - Application of vibrational spectroscopy in biomedicine”

Collegium Pharmaceuticum, Medical University of Lublin, ul Chodźki 4a, Aula – Main Lecture room A

9.00-9.05	Opening – Aula – Main Lecture room A
9.05-9.45	Prof. Sergei G. Kazarian - Imperial College London, United Kingdom - Plenary Lecture “New insight from chemical imaging”
9.45-10.25	Prof. Peter Gardner - University of Manchester, United Kingdom “Risk stratification of prostate tissue using infrared spectroscopic imaging”
10.25-10.50	Dr Maxime Tchaya – WITec company, Ulm, Germany “Correlative Confocal Raman Microscopy: Biomedical and Pharma Instrumentation and Applications”
10.50-11.20	Coffee break - ground floor room 37
11.20-12.00	Prof. Beata Brożek-Pluska – Technical University of Lodz, Poland “Raman imaging, AFM and fluorescence spectroscopy - a valuable tools in human digestive tract diagnostics”
12.00 – 12.30	Dr Martha Vardaki - National Hellenic Research Foundation, Athens, Greece “Deep Raman spectroscopy for biomedical applications”
12.30-13.30	Lunch Break – ground floor room 37
13.30-14.10	Prof. Małgorzata Barańska – Jagiellonian University, Cracow, Poland “Tandem Raman Microscopy (TRAM) for sensitive cell analysis”
14.10-14.30	Dr Joanna Depciuch - Medical University of Lublin, Lublin/Institute of Nuclear Physics Polish Academy of Sciences, Cracow, Poland “From tissues to body fluids, how can we find spectroscopy markers of cancers”
14.30-14.50	Dr Anna Sroka-Bartnicka – Medical University of Lublin, Poland “Correlation between lipids in the kidney rat with type two diabetes – multimodal spectral imaging FTIR & Raman vs DESI & MALDI mass spectrometry.”
14.50-15.00	Closing remarks and networking
15.00-15.30	DEMO- SESSION 1 by dr Maxim Tchaya – Raman imaging LAB – registration demanded – basement floor room 016
15.30-16.00	DEMO- SESSION 2 by dr Maxim Tchaya – Raman imaging LAB – registration demanded – basement floor room 016

Participation in the seminar is free of charge, but the number of participants is limited, so please register your participation **by May 15th** using QR code or link: <https://tiny.pl/d93hp>, please mark if you want to attend DEMO SESSIONS in the Raman Imaging Lab using WITec Alpha 300R 3D imaging System.



Organizers: Independent Unit of Spectroscopy and Chemical Imaging, Medical University of Lublin
dr Barbara Gieroba, Mikołaj Krysa, Adrianna Kryska, Magdalena Sawic, dr Maryna Khalavka, dr Anna Sroka-Bartnicka

Sponsor

