



Institute of
Chemical Physics

Vilnius University, Faculty of Physics

Invitation to the workshop

Molecular Spectroscopy in Medicine

*Discussion of new research results, methods and
future projects*

Networking and initiation of new ideas and research

8th October 2025

2 pm to 5 pm

Vilnius University

room B336 in NFTMC building

In cooperation with



TECHNISCHE
UNIVERSITÄT
DRESDEN

Universitätsklinikum
Carl Gustav Carus
DIE DRESDNER.



KLINIKUM CHEMNITZ
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Agenda: Molecular Spectroscopy in Medicine

14:00 - 14:10	Opening & Introduction Prof. Dr. Valdas Šablinskas Vilnius University
14:10 - 14:30	Infrared spectroscopic on-site identification and differentiation of esophageal tumors Prof. Dr. Gerald Steiner TU Dresden
14:30 - 14:50	Detection of liver malignancies using fiber-based FTIR spectroscopy Dr. Rimante Bandzevičiūtė Vilnius University
14:50 - 15:10	IR imaging and classification of cerebrospinal fluid samples - a preliminary study on label-free molecular analysis Prof. Dr. Matthias Kirsch Klinikum Chemnitz
15:10 - 15:30	Coffee Break
15:30 - 15:50	First results of SERS studies of fluids from deceased spinal cords Dr. Sonata Adomaviciute-Grabusove Vilnius University
15:50 - 16:20	In ovo sexing of closed, intact chicken eggs without preparatory steps - is this really possible, and what can be expected? Prof. Dr. Gerald Steiner TU Dresden
16:20 - 16:30	Joint conclusions of the workshop Prof. Dr. Gerald Steiner TU Dresden Prof. Dr. Valdas Šablinskas, Vilnius University Prof. Dr. Justinas Čėponkus, Vilnius University
16:30 - 17:00	Coffee; joint discussion and get together