*Klinikum Chemnitz, Department of Neurosurgery*

*University Hospital Dresden, Anaesthesiology and Critical Care Medicine*

# Invitation to the workshop

# Molecular Spectroscopy in Medicine

*Discussion of research results, methods and future projects*

*Networking and initiation of new ideas and research*

## 19th June 2025

**2 pm to 5 pm**

**Klinikum Chemnitz ; Flemming Str.**

**Building 01 E11, Room 107.0** (Conference room)

In cooperation with

TECHNISCHE UNIVERSITÄT DRESDEN

Universitätsklinikum Carl Gustav Carus DIE DRESDNER.

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Baltisch-Deutsches HochschulKontor

KLINIKUM CHEMNITZ gGmbH

# Agenda: Molecular Spectroscopy in Medicine

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|---|---|
| 14:00 - 14:10 | **Opening & Introduction**<br>Prof. Dr. Matthias Kirsch I Klinikum Chemnitz |
| 14:10 - 14:30 | **Molecular spectroscopy in medicine - where we are and what's the next**<br>Prof. Dr. Gerald Steiner I TU Dresden |
| 14:30 - 14:40 | **Molecular spectroscopy at the Vilnius University: versatile and innovative**<br>Prof. Dr. Valdas Šablinskas I University Vilnius |
| 14:40 - 15:00 | **Intraoperative infrared spectroscopy of brain tumors at the Chemnitz Hospital**<br>Robert Brilmayer I Klinikum Chemnitz |
| 15:00 - 15:30 | *Coffee Break* |
| 15:30 - 15:50 | **Fiber based ATR IR spectroscopy for liver cancerous tissue diagnostics**<br>Dr. Rimante Bandzevičiūtė I Vilnius University and Department for VTV Surgery University Hospital Dresden |
| 15:50 - 16:10 | **Nano spectroscopy**<br>Prof. Dr. Dr. h.c. Dietrich R.T. Zahn \| TU Chemnitz |
| 16:10 - 16:30 | **SERS spectroscopy of cerebrospinal fluid**<br>Dr. Sonata Adomaviciute-Grabusove I Vilnius University |
| 16:30 - 16:45 | **Joint conclusion of the workshop**<br>Prof. Dr. Matthias Kirsch I Klinikum Chemnitz<br>Prof. Dr. Gerald Steiner I TU Dresden |

**Moderation:** Prof. M. Kirsch und Prof. G. Steiner
**Contact**: m.kirsch@skc.de or gerald.steiner@tu-dresden.de

**Note:** The workshop is part of funded cooperation projects between the universities of Vilnius and the Medical Faculty of the Dresden University including Campus Chemnitz. This project of the **Baltic-German University Liaison Office** is supported by the German Academic Exchange Service (DAAD) with funds from the Foreign Office of the Federal Republic of Germany.