

## Development of high-sensitivity analytical instrumentation

### Ongoing projects

- HAS Hungarian-Czech collaboration – NKM2023-51 - Integrated platform for simultaneous single molecule charge transport and thermoelectric measurements (2024-2025) – *principal investigator*
- OTKA FK142622 - Antiaromatic molecular semiconductors and photochromic switches (2022-2026) – *participant*
- OTKA K143169 - Information processing with resistive switching memory devices (2022-2026) - *participant*

### Completed projects

- HAS Hungarian-Czech collaboration – Charge transport studies in molecular redox switches and memristors (2022–2023) – *principal investigator*
- HAS Hungarian-Czech collaboration – Electron transport in single molecule junctions. Direct measurement of electrical and thermoelectric currents using break junction techniques. (2015–2017) – *principal investigator*