

### Biophysics, Master Studies Programme, 2025

| Institution                      |                                  | Department/Laboratory                     | Themes  |
|----------------------------------|----------------------------------|---|---|
| <b>VU Life Sciences Center</b>   | <b>Institute of Biosciences</b>  | Department of Neurobiology and Biophysics | Assessment of the Stability of Periodic and Aperiodic Resting – State EEG Parameters in the Context of Emotional Arousal and Female Hormonal Status |
|                                  | <b>Institute of Biochemistry</b> | Department of Bioanalysis                 | Optical and Elektrochemical Biosensors using Functionalized Glucose   |
| <b>VU Faculty of Physics</b>     |                                  | Laser Reserch Center                      | The effects of photooxidative stress of different origins on unicellular algae autofluorescence   |
| <b>UAB Droplet Genomics</b>      |                                  |   | DNA Sequence-guided high-throughput enrichment of single bacterial genomes using microfluidics  |
| <b>National Cancer Institute</b> |                                  | Biomedical Physics Laboratory             | Development of a Near-Infrared Light-Activated Nanoparticle and Chlorin e6 Photosensitizer Complex for Deep-Tissue Photodynamic Cancer Therapy      |