The problems discussed within the Bioanalytic laboratorie.

1. Direct potentiometry and Nernst equation.
2. Concept of ion-selective electrodes – conctruction and application.
3. Surface modification and biofunctionalization.
4. Enzymatic biosensors and coupling reaction mechanizm for analyte detection.
5. Cyclic voltammetry – redox systems.
6. Amperometric biosensors - conctruction and application.
7. Covalent biofunctionalization of gold surfaces.
8. Experimental data analysis.