

The topics that were presented in the Petnica's School of Molecular Biology, through intensive mentoring and practical work:

1. Isolation of DNA from various types of biological samples, DNA quality checking and fluorometric quantification of DNA;
2. PCR optimization and primer design;
3. Identification of mutations in human hereditary diseases using different methods of molecular biology with analysis of results;
4. PCR Real-Time Application in Expressions Analysis;
5. Bioinformatics processing of nucleic acid sequences and knowledge of databases;
6. Interpretation of genetic variants after NGS.