

Molecular biology and immunology teaching lab 316

- a. Molecular biology: In the laboratory, the students learn hands-on techniques of recombinant DNA technology. Nucleic acid extraction, quantitative and qualitative assessment of nucleic acids, DNA restriction enzymes, nucleic acid amplification in the laboratory, understanding the characteristics and handling of the recombinant plasmid PGLO containing the GFP gene, bacterial transformation and expression of the GFP gene, isolation of the resulting protein, and gene cloning.
- b. Immunology: The practical part introduces the students to basic immunological techniques. The protocols include those for the detection of antigen-antibody interactions, lymphocyte proliferation as well as flowcytometry.









