

Biology and Genetics 2, General Medicine – practical training lessons in winter semester 2023-2024

Round Auditory (Rotunda) of Institute of Biology and Medical Genetics, Albertov 4, first floor on the right

Weekdays and group teachers for each group are listed below (page 2).

Week	Dates	Topic	Prepared by
1	Oct 3-5	Repetition of the most important tasks from the summer term	dr. Panczak, dr. Šípek
2	Oct 10-12	Molecular Genetics I. DNA, RNA, proteins, and DNA variability	assoc. prof. Liška, dr. Kleiblová
3	Oct 17-19	Molecular Genetics II. PCR, Sanger sequencing, direct DNA diagnostics	assoc. prof. Liška, dr. Kleiblová
4	Oct 24-26	Molecular Genetics III. Next-generation sequencing, direct DNA diagnostics continued	assoc. prof. Liška, dr. Kleiblová
5	Oct 31 – Nov 2	Molecular Genetics IV. Indirect DNA diagnostics	assoc. prof. Liška, dr. Kleiblová
6	Nov 7-9	Test I: Molecular genetics. Introduction to population genetics, Forensic human identification	assoc. prof. Liška, dr. Panczak, dr. Šípek, prof. Korabečná
7	Nov 14-16	Population Genetics I. Hardy-Weinberg equilibrium, selection, and mutation	dr. Panczak, dr. Šípek
8	Nov 21-23	Population Genetics II. Migration, small populations, genetic drift	dr. Panczak, dr. Šípek
9	Nov 28-30	Test II: Population Genetics. Immunogenetics I: histocompatibility systems, transplantation principles	dr. Panczak, dr. Šípek
10	Dec 5-7	Immunogenetics II: Microscopical preparations demonstrating syngenic and alogenic transplantations of skin, kidney and tumor tissues. HLA - disease associations.	dr. Panczak
11	Dec 12-14	Developmental Genetics, Teratogens	dr. Šípek, assoc. prof. Liška
12	Dec 19-21	Tumor Genetics	dr. Kleiblová
13	Jan 2-4	Principles of the genetic counselling, risk evaluation, indication of preventive measures.	dr. Kotlas
14	Jan 9-11	Test III: All topics. Repetition of previous tests.	multiple authors
15	Jan 16-18	Credits. Repetition of all tests.	multiple authors

No colliding state holidays this year.

Weekdays, groups and group teachers

day	group	time	teachers
Tuesday	51, 52	14:15 - 16:30	prof. Šeda, dr. Vacík, (dr. Panczak)
Wednesday	53, 54	14:15 - 16:30	prof. Korabečná, dr. Šedová
Thursday	55, 56	14:15 - 16:30	assoc. prof. Liška, dr. Krupková
Thursday	57, 58	16:45 – 19:00	prof. Šeda, dr. Musil, (dr. Šedová, assoc. prof. Liška)