

Cell Biology 2026/2027

Lecture: Monday 12:00; seminars T1 Monday 13:00; T2 Friday 10:00; T3 Wednesday 9:00; practices: T1-A Tuesday 8:00; T1-B Wednesday 14:00; T2-A Thursday 8:00; T2-B Friday 8:00; T3-A Thursday 12:00

week	date	title	teacher
1	08.31.- 09.04.	ea: Introduction sz: Cells: common features. Chemical bonds, small molecules gy: General information, pipetting	SK JD PE,TB,TK,JG
2	09.07.- 09.11.	ea: Prokaryotes, eukaryotes sz: Plant cells gy: Microscope	PVS JD PE,TB,TK,JG
3	09.14.- 09.18.	ea: Macromolecules of the cells. Viruses sz: Structure and functions of proteins gy: Working with bacterial cells	JG JG PE,TB,TK,JG
4	09.21.- 09.25.	ea: Structure of DNA and RNA. Gene expression sz: Chromatin, genome, chromosome, gene gy: Cell culture – background, sterile work under the laminar box	PE PE PE,TB,TK,JG
5	09.28.- 10.02.	ea: Nucleus: structure and function sz: Mitochondria, ER, Golgi, lysosomes gy: Cell culture- working with cells, collecting, counting	PE PE PE,TB,TK,JG
6	10.05.- 10.09.	ea: Membrane structure and function sz: Mitochondrial DNA. Mutations gy: Cell culture- working with cells, passage	JG PVS PE,TB,TK,JG
7	10.12.- 10.16.	ea: Cytoskeleton sz: Extracellular matrix. Cell interactions gy: Cell culture – planning experiments, viability assay	PE JG PE,TB,TK,JG
8	10.19.- 10.23.	ea: Replication sz: DNA repair gy: RNA isolation	PVS PVS PE,TB,TK,JG
9	10.26.- 10.30.	ea: Transcription sz: Regulation of transcription gy: DNA isolation	SK SK PE,TB,TK,JG
10	11.02.- 11.06.	ea: Translation sz: Translation gy: Agarose gel electrophoresis	PE PE PE,TB,TK,JG
11	11.09.- 11.13.	ea: Regulation of translation sz: Posttranslational modifications. Protein degradation gy: dolgozat	PE JG PE,TB,TK,JG
12	11.16.- 11.20.	ea: Gene expression regulation in eukaryotes sz: Gene expression regulation in prokaryotes	SK JG

		gy: Electron microscope	Laboda Ágnes
13	11.23.- 11.27.	ea: Mitosis sz: Meiosis gy: DNA fragment analysis (Forensic Medicine)	PVS PE JD
14	11.30.- 12.04.	ea: Nucleic acids and proteins sz: Consultation gy: Consultation	SK PE

Group leaders for practices:

PE- T1-A

TB- T1-B

TK- T2-A

JG- T2-B

PE,TB,TK,JG- T3-A