

CLASS SCHEDULE FOR A COMPULSORY COURSE

Application of research methods in scientific work	Assoc. Prof. Ita Hadžisejdić, MD, PhD Assoc. Prof. Koviljka Matušan Ilijaš, MD, PhD
1. Chromosome analysis: karyotyping methods and FISH analysis in medical genetics, FISH analysis in neoplastic diseases Assoc. Prof. Jadranka Vraneković, PhD, e-mail: jadranka.vranekovic@medri.uniri.hr (Department of Medical Biology and Genetics) Assoc. Prof. Ita Hadžisejdić, PhD e-mail: ita.hadzisejdic@medri.uniri.hr (Department of General Pathology and Pathological Anatomy) Assoc. Prof. Koviljka Matušan Ilijaš, PhD, e-mail: koviljka.matusan@medri.uniri.hr (Department of General Pathology and Pathological Anatomy)	
SCHEDULE: All registered students are required to attend the classes on both days. Part I of the classes will be held on February 2, 2026, at the Department of Medical Biology and Genetics, starting at 9:00 AM. Part II of the classes will be held on February 5, 2026, at the Department of General Pathology and Pathological Anatomy (Rijeka site), starting at 9:00 AM.	
2. DNA analysis I: genomic DNA isolation, Southern blot, PCR, quantitative real-time PCR Assoc. Prof. Jadranka Vraneković, PhD, e-mail: jadranka.vranekovic@medri.uniri.hr (Department of Medical Biology and Genetics) Assoc. Prof. Ita Hadžisejdić, PhD e-mail: ita.hadzisejdic@medri.uniri.hr (General Pathology and Pathological Anatomy)	
SCHEDULE: Classes will be held for students as specified in the scheduled terms, meaning that one group of students will cover the topic at the Department of Medical Biology and Genetics, while the other group will do so at the Clinical Department of Pathology and Cytology, according to the student list. Location: Department of Medical Biology and Genetics Dates: February 3 – February 6, 2026 (exact time to be arranged with the instructor; contact: Assoc. Prof. Jadranka Vraneković) Location: Clinical Department of Pathology and Cytology, New Sušak Hospital Site, Department of Molecular Pathology Dates: February 3 and February 4, 2026, starting at 9:00 AM (lab coats are mandatory).	
4. RNA I analysis: RNA isolation, Northern blot analysis, reverse transcription, quantitative PCR Prof. Kristina Grabušić, PhD, e-mail: kristina.grabusic@medri.uniri.hr (Department of Physiology, Immunology and Pathophysiology) Assoc. Prof. Ita Hadžisejdić, PhD e-mail: ita.hadzisejdic@medri.uniri.hr (General Pathology and Pathological Anatomy)	
TERMINI: 09.06.2026. i 10.06.2026. All registered students are required to attend the classes on both days. Part I of the classes will be held on June 9, 2026, at the Clinical Department of Pathology and Cytology, New Sušak Hospital Site, Department of Molecular Pathology, starting at 9:00 AM. Part II of the classes will be held by Prof. Grabušić on June 10, 2026 (exact time to be arranged with the instructor).	

5. Research methods in public health – qualitative and quantitative approach

Prof. Tomislav Rukavina, PhD, e-mail: tomislav.rukavina@uniri.hr (Department of Social Medicine and Epidemiology)

prof. dr. sc. Vanja Vasiljev, e-mail: vanjav@medri.uniri.hr (Department of Social Medicine and Epidemiology)

izv. prof. dr. sc. Lovorka Bilajac, e-mail: lovorka.bilajac@uniri.hr (Department of Social Medicine and Epidemiology)

doc. dr. sc. Darko Roviš, e-mail: darko.rovis@medri.uniri.hr (Department of Social Medicine and Epidemiology)

REGISTERED STUDENTS:**SCHEDULE : May 18-19, 2026**

9. Protein analysis I: protein isolation, Western blot analysis, immunoprecipitation, biotinylation, detection of posttranslational modification (glycosylation, phosphorylation)

Prof. Tihana Lenac Roviš, PhD, e-mail: tihana.lenac@medri.uniri.hr (Center for Proteomics)

Assoc. Prof. Berislav Lisnić, PhD, e-mail: berislav.lisnic@medri.uniri.hr (Center for Proteomics)

Assoc. Prof. Ilija Brizić, PhD, e-mail: ilija.brizic@medri.uniri.hr (Center for Proteomics)

Assoc. Prof. Vanda Juranić Lisnić, PhD, e-mail: vanda.juranic@medri.uniri.hr (Center for Proteomics)

Marina Pribanić Matešić, PhD, e-mail: marina.pribanic.matesic@medri.uniri.hr (Center for Proteomics)

Asst. Prof. Maja Cokarić Brdovčak, PhD, e-mail: maja.cokaric@medri.uniri.hr (Center for Proteomics)

Jelena Železnjak, PhD, e-mail: jelena.zeleznjak@medri.uniri.hr (Center for Proteomics)

SCHEDULE: May 25-28, 2026

11. Protein analysis III: 2D protein electrophoresis, mass spectrometry

Prof. Gordana Čanadi Jurešić, PhD, e-mail: gordanacj@uniri.hr (Department of Medical Chemistry, Biochemistry and Clinical Chemistry)

Prof. Dalibor Broznić, PhD e-mail: dalibor.broznic@medri.uniri.hr (Department of Medical Chemistry, Biochemistry and Clinical Chemistry)

SCHEDULE: April 14, 2026

14. Cell and Tissue Analysis II: immunofluorescence, immunohistochemistry, confocal microscopy (analyses on cells and tissue)

Prof. Tihana Lenac Roviš, PhD, e-mail: tihana.lenac@medri.uniri.hr (Center for Proteomics)

Mijo Golemac, MD, e-mail: mijo.golemac@medri.uniri.hr (Department of Histology and Embryology)

Assoc. Prof. Koviljka Matušan Ilijaš, PhD, e-mail: koviljka.matusan@medri.uniri.hr (Department of General Pathology and Pathological Anatomy)

Assoc. Prof. Manuela Avirović, PhD, e-mail: manuela.avirovic@medri.uniri.hr (Department of General Pathology and Pathological Anatomy)

SCHEDULE: January 23, 26, 27, 2026**at the Department of General Pathology and Pathological Anatomy (Rijeka site), starting at 9:00 AM**

15 Biobank: storage and use of human biological material

Assoc. Prof. Manuela Avirović, PhD, e-mail: manuela.avirovic@medri.uniri.hr (Department of General Pathology and Pathological Anatomy)

Assoc. Prof. Emina Babarović, PhD, e-mail: emina.babarovic@medri.uniri.hr (Department of General Pathology and Pathological Anatomy)

SCHEDULE: September 21-25, 2026

16. Lipid and vitamin analysis: thin layer / gas / liquid chromatography

Prof. Gordana Čanadi Jurešić, PhD, e-mail: gordanacj@uniri.hr (Department of Medical Chemistry, Biochemistry and Clinical Chemistry)

Prof. Dalibor Broznić, PhD, e-mail: dalibor.broznic@medri.uniri.hr (Department of Medical Chemistry, Biochemistry and Clinical Chemistry)

SCHEDULE: March 25, 2026.

17. Methods and ethical aspects of laboratory animals research

Assoc. Prof. Ilija Brizić, PhD, e-mail: ilija.brizic@medri.uniri.hr (Center for Proteomics)

Prof. Kristina Pilipović, PhD, e-mail: kristina.pilipovic@medri.uniri.hr (Department of Basic and Clinical Pharmacology and Toxicology)

SCHEDULE: March 18-20, 2026.

18. Functional properties of bacteria

Prof. Ivana Gobin, PhD, e-mail: ivana.gobin@medri.uniri.hr (Department of Microbiology and Parasitology)

Davorka Repac Antić, PhD, e-mail: davorkaar@medri.uniri.hr (Department of Microbiology and Parasitology)

SCHEDULE: March 02-06, 2026.