



SAĞLIK
BİLİMLERİ
ENSTİTÜSÜ



ENSTİTÜSÜ
BİLGİLERİ

DEPARTMENT OF MEDICAL BIOLOGY AND GENETICS GRADUATE PROGRAMS

ACADEMIC STAFF



SAĞLIK
BİLİMLERİ
ENSTİTÜSÜ

- **Prof. Dr. Ece KONAC** (Head of the Department)
- **Prof. Dr. Atiye Seda YAR SAGLAM**
- **Assoc. Prof. Dr. Hacer Ilke ONEN**
- **Assoc. Prof. Dr. Nuray VAROL**
- **Assoc. Prof. Dr. Pelin TELKOPARAN AKILLILAR**
- **Assist. Prof. Dr. Duygu Deniz USTA SALAMI**
- **Lecturer, Kübra Gizem ESENTURK YAYLA**
- **Prof. Dr. Taner AKAR** (Assignment)
- **Prof. Dr. O. Serhat GUROCAK** (Assignment)



FIELDS OF RESEARCH



- Identification of pathways involved in tumor formation, progression, metastasis, and/or resistance mechanisms to chemotherapeutics used after therapy in various cancers
- Determination of the relationship between tumor cell responses to newly identified agents and classical chemotherapeutics with cellular pathways using *in vitro* (cell culture) and *in vivo* (cancer models in experimental animals) methods
- Identification of the role of epigenetic mechanisms in tumor formation, progression, and metastasis in various cancers
- Determination of tumor cell responses to gene silencing using *in vitro* and *in vivo* methods
- Identification of the role of Epi-miRNAs in tumor formation, progression, and metastasis in various cancers



RESEARCH FACILITIES (LABORATORY INFRASTRUCTURE)



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1. Laminar flow (DanLaf)
2. CO₂ incubator (Sanyo)
3. Western Blot system (BioRad)
4. Gel Imaging system (Carestream)
5. Refrigerated microcentrifuge (Hettich)
6. Precision scale (Precisa)
7. Spectrophotometer (Molecular Devices)
8. Homogenizer (Ika)
9. Inverted microscope (Zeiss)
10. Dry block heater (Biosan)
11. Inverted fluorescence microscope (Olympus)
12. Three-dimensional laboratory shaker (Biosan)
13. Micro spectrophotometer (Thermo)
14. Automated single-capillary genetic analyzer (ABI)
15. Automated cell counter (Innovatis)



QUOTA NUMBERS AND PROGRAM ADMISSION REQUIREMENTS FOR FALL SEMESTER 2024/2025



QUOTA			SCORE TYPE	PROGRAM TYPE	SCORE CRITERIA		
MASTER'S DEGREE	DOCTORATE	FOREIGN NATIONAL MA/DR.			ALES SCORE/ *TUS*	FOREIGN LANGUAGE SCORE	GRADUATION GRADE (UNDERGRADUATE / MA)
5	-	-	NUM.	MASTER'S DEGREE	65	55	2,1
-	5	-	NUM.	DR.	70	85	2,1/2,9

MASTER'S/BACHELOR'S PROGRAMS ACCEPTING PHD STUDENTS

DOCTORATE	PROGRAM NUMBER	PROGRAM NAME
	2122	BIOCHEMISTRY AND MOLECULAR BIOLOGY
	2143	BIOMOLECULAR SCIENCES
	2144	BIOENGINEERING
	2154	BIOTECHNOLOGY AND MOLECULAR BIOLOGY
	2381	EXPERIMENTAL AND MOLECULAR ONCOLOGY
	3008	GENETIC ENGINEERING
	3648	CANCER BIOCHEMISTRY
	3649	CANCER BIOLOGY
	3650	CANCER BIOLOGY AND IMMUNOLOGY
	3047	GENETICS AND BIOENGINEERING
	3653	CANCER GENETIC
	4203	MOLECULAR BIOLOGY



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MASTER'S/BACHELOR'S PROGRAMS ACCEPTING PHD STUDENTS

DOCTORATE	4207	MOLECULAR BIOLOGY AND GENETICS
	7174	MOLECULAR BIOLOGY, GENETICS AND BIOENGINEERING
	4208	MOLECULAR BIOLOGY-GENETICS AND BIOTECHNOLOGY
	8624	MOLECULAR AND MEDICAL GENETICS
	8404	BASIC ONCOLOGY AND CANCER BIOLOGY
	5335	MEDICAL GENETICS
	5336	MEDICAL GENETICS AND MOLECULAR BIOLOGY
	4216	MOLECULAR MEDICINE
	4362	ONCOLOGICAL BIOLOGY AND IMMUNOLOGY
	5318	MEDICAL BIOLOGY
	5320	MEDICAL BIOLOGY AND GENETICS
	5370 (Bachelor's)	MEDICINE



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5	-	-	NUM.	MASTER'S DEGREE	65	55	2,1
-	5	-	NUM.	DR.	70	85	2,1/2,9

BACHELOR'S PROGRAMS ACCEPTING MASTER'S DEGREE STUDENTS

MASTER'S DEGREE	PROGRAM CODE	PROGRAM NAME
	2124	BIOLOGY
	2144	BIOENGINEERING
	4203	MOLECULAR BIOLOGY
	2150	BIOTECHNOLOGY
	2154	BIOTECHNOLOGY AND MOLECULAR BIOLOGY
	3047	GENETICS AND BIOENGINEERING
	8407	GENETICS AND LIFE SCIENCES PROGRAMS
	4202	MOLECULAR BIOCHEMISTRY AND GENETICS
	7174	MOLECULAR BIOLOGY, GENETICS AND BIOENGINEERING
	4297	NANOSCIENCE AND NANOTECHNOLOGY
	5281	BASIC MEDICAL SCIENCES (MEDICINE)
	4207	MOLECULAR BIOLOGY AND GENETICS
	5322	MEDICAL BIOLOGICAL SCIENCES