



T.C.
MERSİN UNIVERSITY
INSTITUTE OF HEALTH SCIENCES

DEPARTMENT OF STEM CELL AND
REGENERATIVE MEDICINE

GRADUATE PROGRAMS
2025

HISTORY

- The Department of Stem Cell and Regenerative Medicine was established in 2011 under the leadership of Prof. Dr. Kansu BÜYÜKAFŞAR (Pharmacology), Assoc. Prof. Dr. Eyüp Naci TİFTİK (Hematology), Assoc. Prof. Dr. Şakir Necat YILMAZ (Histology), and Assoc. Prof. Dr. Ata ÖZÇİMEN (Biology), with the contributions of Assoc. Prof. Dr. Selma ÜNAL (Pediatric Hematology), Assoc. Prof. Dr. Çağlar ÇITAK (Pediatric Oncology), and Assist. Prof. Dr. R. Nalan TİFTİK (Pharmacology).
- In April 2011, it was officially approved by the Rectorate of Mersin University as the **Mersin University Stem Cell and Cellular Therapy Research and Application Center (MERKÖK)** to conduct research, education, and consultancy activities in the field of cellular therapies and stem cell research.

HISTORY

- In the 2018–2019 academic year, the Interdisciplinary Department of Stem Cell and Regenerative Medicine at Mersin University, under the Institute of Health Sciences, launched its master's (with thesis) and doctoral programs.
- Today, with its multidisciplinary structure and the contributions of faculty members from both basic and clinical medical sciences, the department continues its education, research, and practical activities on stem cells and cellular therapies at both national and international levels, and carries out significant studies to meet the growing needs in this field in our country.

ACADEMIC STAFF

- Prof. Dr. Leyla ŞAHİN
(Head of Department)
- Prof. Dr. Kansu BÜYÜKAFŞAR
- Prof. Dr. Eyüp Naci TİFTİK
- Prof. Dr. Ata ÖZÇİMEN
- Prof. Dr. Fethi ATIL
- Prof. Dr. Handan BİRBİÇER
- Prof. Dr. Nimet KARAGÜLLE
- Prof. Dr. Yasemin KAÇAR
- Assoc. Prof. Dr. Ebru DERİCİ EKER
- Assoc. Prof. Dr. Leyla BAHAR
- Assoc. Prof. Dr. Hatice YILDIRIM YAROĞLU
- Assoc. Prof. Dr. Nevra ÖKSÜZ GÜRLER
- Assoc. Prof. Dr. R. Nalan TİFTİK
- Assist. Prof. Dr. Ahmet Sencer YURTSEVER
- Assist. Prof. Dr. Badel İNCE
- Assist. Prof. Dr. Nazan ERAS
- Lecturer Dr. Burcu DEMİRBAĞ
- Res. Asst. Gamze AYAR

FILEDS OF RESEARCH

- **Stem Cell Research**
 - Isolation, characterization, and clinical applications of mesenchymal stem cells
 - Development of stem cell-derived biological products
- **PRP (Platelet Rich Plasma) and Cellular Products**
 - PRP/PRF preparation and clinical applications
 - Use of PRP in wound healing, orthopedic, and aesthetic fields
- **SVF (Stromal Vascular Fraction)**
 - Use of adipose tissue-derived SVF in cellular therapies
 - Applications of SVF in tissue engineering and regenerative medicine

FILEDS OF RESEARCH

- **Exosomes and Extracellular Vesicles**
 - Investigation of exosomal biomarkers for diagnostic purposes
 - Exosome-based cellular therapy and drug delivery systems
- **Regenerative Medicine Applications**
 - Wound healing, tissue repair, and anti-aging studies
 - Development of innovative treatment strategies with cellular and extracellular products

PROGRAM COMPETENCIES

- Ability to utilize theoretical and applied knowledge acquired at a specialist level in their field
- Ability to systematically communicate current developments and their own work in their field to groups within and outside their field, supported by quantitative and qualitative data, in written, oral, and visual formats
- Ability to communicate verbally and in writing in at least one foreign language in their field of expertise
- Ability to integrate knowledge acquired in their field with information from different disciplinary fields, interpret it, and create new knowledge
- Ability to communicate verbally and in writing using a foreign language at least at the B2 General Level of the European Language Portfolio
- Ability to use computer software and information and communication technologies at an advanced level required in their field
- Ability to create studies and projects that will contribute to science using the knowledge acquired in their field

EMPLOYMENT OPPORTUNITIES

- Graduates of the Stem Cell and Regenerative Medicine program can conduct academic and scientific research at universities and research centers, work in cellular therapy and tissue engineering laboratories in public and private hospitals.
- They can also work as R&D specialists in the biotechnology and pharmaceutical sectors, serve in regulatory bodies, or establish their own biotechnology ventures to operate in health tourism and innovative therapies.

CONTACT

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