

Stem Cell And Tissue Engineering (DR)			
PhD	TR-NQF-HE: Level 8	QF-EHEA: Third Cycle	EQF-LLL: Level 8

## Program Information

As a result of scientific advances in the fields of Molecular Biology, Stem Cell and Cell Biology, Genetic Engineering, Biotechnology, Bioinformatics and Tissue Engineering, there is a significant increase in biotechnological research and applications in the world, especially in the field of health, and the developments are increasingly important for humanity for a healthier and better-quality life.

Developed countries have managed to quickly turn opportunities into economic benefits. Its applications in the field of biotechnology, including stem cell and tissue engineering, have become one of the important elements of the economies of developed countries.

Istinye University Stem Cell and Tissue Engineering Doctorate Program aims to raise students who can carry out various projects to contribute to science, and who can contribute to the country's economy with projects that can put the information produced in the laboratory to use in daily life.

In parallel with the developments in the world, high biotechnology institutions and companies have started to operate in the field of Stem Cell and Tissue Engineering in our country, both in public universities and under the management of the private sector.

It has completed a training program that includes original theoretical and practical knowledge in different scientific disciplines (Molecular Biology, Stem Cell and Cell Biology, Immunology, Tissue Engineering, Regenerative Medicine, Genetic Engineering, Biotechnology and Bioinformatics) and has all kinds of technological equipment in a center with a completed infrastructure for practice. Our PhD students graduate by gaining the education and professional experience that can easily meet the requirements of these and similar biotechnology institutions.

In this rapidly developing field, topics such as gene editing and gene therapy have been added to the course content in line with the recent developments in tissue engineering and molecular developments in the field of stem cells, and at the same time, it has been made possible for students to conduct research on this subject.