

General Workshop Information

Workshop Title: Live Cell Culture on Bioengineered Structures

Workshop Type: Specialized Workshop of ICBME 2026

Organizer: The 33rd National Conference and the 11th International Conference on Biomedical Engineering

Instructor: Dr. Fereshteh Karamali, Faculty Member at Royan Institute

Duration: One day

Capacity: Maximum of 12 participants

Date: November 17, 2026

Format: In-person

Language: Persian

Topics and Course Outline

In this workshop, participants will become familiar with the fundamental principles and practical considerations of culturing live cells on bioengineered structures.

- Introduction to the basic principles of live cell culture and related requirements
- Investigation of cell interactions with bioengineered substrates
- Introduction to cell culture and maintenance methods on three-dimensional and biological structures
- Investigation of factors affecting cell adhesion, growth, and viability on engineered substrates
- Introduction to the considerations involved in selecting and designing suitable scaffolds and biomaterials for cell culture
- Examination of applications of cell culture on engineered structures in tissue engineering and regenerative medicine
- Introduction to practical challenges and considerations in culturing cells on biological structures

Target Audience

This workshop is designed for students, researchers, and individuals interested in the following fields:

- Tissue Engineering
- Biomaterials
- Cell Culture
- Regenerative Medicine
- Biomedical Engineering

Workshop Registration Fee: 35,000,000 R

Capacity: Maximum of 12 participants