

Medical Biotechnology M.Sc.
Molecular therapies
Weekly plan

Week 1.

Functional genomics I.

Week 2.

Functional genomics II.

Week 3.

Recombinant protein expression

Week 4.

Gene therapy, in vivo gene therapy

Week 5.

Ex vivo gene therapy, Therapies based on protein replacement I.

Week 6.

Therapies based on protein replacement II.

Week 7.

Recombinant antibodies and phage phage display technique.

Week 8.

Anti-cytokine therapy (Sepsis)

Week 9.

Transgene technology and mouse models in modern biological reseach.

Week 10.

Embryonic and adult stem cells for regenerative medicine I.

Week 11.

Embryonic and adult stem cells for regenerative medicine II.

Week 12.

Cell cycle and cancer tharapy, p53 I.

Week 13.

Cell cycle and cancer therapy, p53 II.

Week 14.

Gene silencing technologies