

Medical Biotechnology M.Sc.
Molecular medicine
Weekly plan

Week 1.

Introduction into molecular medicine

Week 2.

The genome

Week 3.

Sequencing of the genome

Week 4.

Investigation of the human genome with microarrays

Week 5.

Genes and diseases

Week 6.

Nuclear receptors

Week 7.

Personalized genetics

Week 8.

Immunodeficiencies

Week 9.

Cancers (introduction)

Week 10.

Molecular mechanisms of cancer development

Week 11.

Obesity: introduction

Week 12.

Genomics of obesity

Week 13.

Genes involved in development of obesity

Week 14.

Therapeutic approaches to obesity

Week 15.

Interconnected mechanisms in lipid metabolism