

In the name of God

Department of Medical Genetics- Tehran University of Medical Sciences

Genetic Engineering - 2 units- for MSc. International students

Semester Winter 1402-03 (2023)

Coordinator: Dr. Modarressi

Lecturer	subject	Date	Time	Day	No
Dr Nouri-Daloui	History and applications of Genetic Engineering	29/7/1402 21/10/2023	10-12	Sat	1
Dr Modarressi	Different methods of DNA extraction from cells	6/8/1402 28/10/2023	10-12	Sat	2
Dr Saffari	Vectors: specifications of bacterial and mammalian vectors (theory and practice)	*	10-12	Sat	3
Dr Modarressi	Bacteriophages	13/8/1402 4/11/2023	10-12	Sat	4
Dr Saffari	Preparation of a gene using RT-PCR for cloning	*	10-12	Sat	5
Dr Modarressi	Modified and Modifying Enzymes	20/8/1402 11/11/2023	10-12	Sat	6
Dr Modarressi	Functional analysis using Differential Methods	27/8/1402 18/11/2023	10-12	Sat	7
Dr Modarressi and Dr Saffari	Introduction in cloning applications	4/9/1402 25/11/2023	10-12	Sat	8
Dr Mansouri	Different methods for DNA and RNA blotting	11/9/1402 2/12/2023	10-12	Sat	9
Dr Salehipour	Different methods of sequencing	*	10-12	Sat	10
Dr Nouri-Daloui	Recombinant protein production and their purification	18/9/1402 9/12/2023	10-12	Sat	11
Dr Motavasseli	Genetic Engineering in food / feed production and transgenic plants and animals	25/9/1402 16/12/2023	10-12	Sat	12
Dr Akrami	روشهای جهش زایی تصادفی و جهتدار و کاربردهای آن Different methods for random and direct mutagenesis	*	10-12	Sat	13
Dr Shakouri	Polymorphisms and DNA analysis in forensic medicine	30/9/1402 20/12/2023	10-12	Sat	14
Dr Modarressi	Proteomix and Western blotting	2/10/1402 23/12/2023	10-12	Sat	15
Dr Modarressi	Recombinant viruses and Recombination in viruses	9/10/1402 30/12/2023	10-12	Sat	16
Dr Modarressi	Exam				17

-Practical education would be coordinated with Dr Saffari as a workshop in the department laboratories (methods are: DNA and plasmid extraction, DNA digest and PCR-RFLP)

- Some methods such as preparation of Agarose Gel and Polyacrylamide Gel and also Silver nitrate Staining

-Preparation methods for Yeast and Bacterial culture which coordinated with DR Shirzad

***: Please arrange the time with the mentioned professor**