

Molecular Diagnostic Bacteriology

Subjects		Date	Time	Lecturer	Lab in charge
1	Safety in Lab & preparation of buffer solutions	4 th of Mehr	10-13	Dr. Pourmand	Mrs. Masourian
2	DNA Extractions	11 th of Mehr	10-13	Dr. Pourmand	Mrs. Masourian
3	DNA concentration measurments	18 th of Mehr	10-13	Dr. Pourmand	Mrs. Masourian
4	How to design primers (1)?	25 th of Mehr	10-13	Dr. Pourmand	Mrs. Masourian
5	How to design primers (2)?	2 nd of Mehr	10-13	Dr. Pourmand	Mrs. Masourian
6	How does a thermal cycler work?	9 th of Aban	10-13	Dr. Pourmand	Mrs. Masourian
7	Horizontal electrophoresis systems 1	16 th of Aban	10-13	Dr. Pourmand	Mrs. Masourian
8	Horizontal electrophoresis systems 2	23 rd of Aban	10-13	Dr. Pourmand	Mrs. Masourian
9	Plasmid Extraction	30 th of Aban	10-13	Dr. Pourmand	Mrs. Masourian
10	Bacterial Transformation Workflow	7 th of Azar	10-13	Dr. Pourmand	Mrs. Masourian
11	Primer designing for Real-time PCR	14 th of Azar	10-13	Dr. Pourmand	Mrs. Masourian
12	Real time PCR (1)	21 st of Azar	10-13	Dr. Pourmand	Mrs. Masourian
13	Real time PCR (2)	28 th of Azar	10-13	Dr. Pourmand	Mrs. Masourian
14	Vertical electrophoresis systems 1	5 th of Day	10-13	Dr. Pourmand	Mrs. Masourian
15	Vertical electrophoresis systems 2	12 th of Day	10-13	Dr. Pourmand	Mrs. Masourian
16	Exam	19 th of Day	10-13	Dr. Pourmand	Mrs. Masourian

- 1) Molecular bacteriology by Neil woodford, Springer.
- 2) Molecular cloning; A Laboratory manual. M.R. Green, Springer.