

Time schedule of
“PCR and Non PCR based approach in Molecular Analysis”
at
CytoGene Research & Development, Lucknow

Day 1 (08 April 2019, Monday)

S.N.	Time	Program
1	10:00 – 11:15	Introductory Lecture of Bacterial DNA Isolation
Break		
2	11:30 – 12:45	Genomic DNA isolation of Bacteria- session 1
Lunch		
3	01:15 – 02:30	DNA Isolation- session 2
Break		
4	02:45 – 04:00	DNA Isolation- session 3

Day 2 (09 April 2019, Tuesday)

S.N.	Time	Program
1	10:00 – 11:15	Agarose Gel Electrophoresis (AGE) and analysis of result via Gel Doc System
Break		
2	11:30 – 12:45	Quantitative Analysis of Isolated DNA Sample via Spectrophotometer
Lunch		
3	01:15 – 02:30	Multiplex PCR reaction mixture preparation and set up in Thermocycler
Break		
4	02:45 – 04:00	Gel run and analysis of the result

Day 3 (10 April 2019, Wednesday)

S.N.	Time	Program
1	10:00 – 11:15	Introductory Lecture on RAPD technique
Break		
2	11:30 – 12:45	Set up for RAPD Reaction and result analysis
Lunch		
3	01:15 – 02:30	Introductory Lecture on RFLP Technique
Break		
4	02:45 – 04:00	Preparation of Restriction Digestion Mixture and validation of the result

Day 4 (11 April 2019, Thursday)

S.N.	Time	Program
1	10:00 – 11:15	Disquisition on Single Nucleotide Polymorphism
Break		
2	11:30 – 12:45	Preparation of the reaction mixture
Lunch		
3	01:15 – 02:30	Conditions set up and running of the reaction mixture
Break		
4	02:45 – 04:00	Result analysis and validation

Day 5 (12 April 2019, Friday)

S.N.	Time	Program
1	10:00 – 11:15	Informational lecture on molecular identification of the isolate
Break		
2	11:30 – 12:45	16S sequencing mixture preparation and set up of PCR conditions
Lunch		
3	01:15 – 02:30	Result evaluation on the gel
Break		
4	02:45 – 04:00	Bioinformatics validation and interpretation of the result

Day 6 (13 April 2019, Saturday)

S.N.	Time	Program
1	10:00 – 11:15	Disquisition on Western Blotting
Break		
2	11:30 – 12:45	Sample preparation and SDS PAGE set up
Lunch		
3	01:15 – 02:30	Gel run preliminary to blotting technique
Break		
4	02:45 – 04:00	Membrane detection and result Analysis

Day 7 (14 April 2019, Sunday)

S.N.	Time	Program
1	10:00 – 11:30	Question & Answer Session
Break		
2	11:45 – 12:30	Certificate Distribution & Valedictory session

Note: Lunch & Tea will be provided during break.