



Molecular Biology Workshops

NTHRYS provides Molecular Biology Workshops for interested candidates at its Hyderabad facility, Telangana or at their Respective Colleges / Institutions / Companies [Molecular Biology Campus Workshops]. Please refer below for more details including Fee structures and Modules. Workshop module can be customized on request. Please do call / message / whatsapp for more details on 9014935156 [India - +91]

Eligibility: BSc / BTech / MSc / MTech / MPhil / PhD in any Life Sciences studying or completed students

Molecular Biology Workshops Module

1. DNA Extraction from Human Blood
2. DNA Extraction from Bacteria
3. DNA Extraction from Plant Leaf
4. DNA Extraction from Chicken Liver
5. Primer designing using Bioinformatics Tools
6. Optimization of PCR parameters
7. PCR
8. Agarose Electrophoresis using 1 - 10 Kbp ladder
9. Extraction & purification of amplified DNA from Agarose gels using spin columns
10. Cultivation of pUC 18 vector bearing bacterial strain
11. Plasmid [pUC 18] isolation
12. Restriction digestion of pUC18 vector using EcoRI
13. 5` End DNA modification of restriction digested plasmid sample [Addition of Poly Ts]
14. TA Cloning [PCR Product and sample obtained above]
15. DNA ligation
16. Cultivation of DH5 alpha cells and Competent cell preparation using cultivated DH5 alpha cells
17. Bacterial Transformation [using competent cells and cloned vector obtained above]
18. Blue white screening [checking for the transformed colonies]

3 Days Duration - [Protocols 1 - 8 are covered]

5 Days Duration - [Protocols 1 - 12 are covered]

10 Days Duration - [Protocols 1 - 18 are covered]

Molecular Biology Workshops [Molecular Biology Campus Workshops]

Fee details in Rs per student			
Fee	3 Days	5 Days	10 Days
Individual	4700	5200	5400
Group 10 - 20	4500	5000	5000
Group 21 - 30	4500	5000	5000
Group 40 & above	4400	4900	4900

What do NTHRYS provide under Molecular Biology Workshops?

- Molecular Biology Workshops Certificate to Candidates.
- Live Practical exposure to all protocols in Molecular Biology Workshops module.