Molecular Biology Winter Training

NTHRYS provides Molecular Biology Winter Training for interested candidates at its Hyderabad facility, Telangana. Please refer below for more details including Fee strctures, Eligibility, Protocols and Modules etc.,. 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

Protocols / Techniques Covered

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 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]

5 Days Duration - [Protocols 1, 5, 6, 7 & 8 are covered]

10 Days Duration - [Protocols 1, 2, 3, 5, 6, 7 & 8 are covered]

20 Days Duration - [Protocols 1, 2, 3, 4, 5, 6, 7 & 8 are covered]

1 Month Duration - [Protocols 1 to 13 are covered]

45 Days Duration - [All the above mentioned protocols are covered]

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Fee details in Rs per student					
Fee	5 Days	10 Days	20 days	1 Month	45 Days
Individual	12200	12800	16200	20000	23700
Group 2 - 4	11600	11600	15400	19100	22600
Group 5 - 7	11500	11500	15300	18900	22400
Group 8 - 10	11400	11400	15100	18700	22200