



## Stem Cell Transformations Winter Training

NTHRYS provides Stem Cell Transformations Winter Training for interested candidates at its Hyderabad facility, Telangana. Please refer below for more details including Fee structures, 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

#### Molecular Biology

1. DNA Extraction from Human Blood
2. DNA Extraction from Bacteria
3. Primer designing using Bioinformatics Tools
4. Optimization of PCR parameters
5. PCR
6. Agarose Electrophoresis using 1 - 10 Kbp ladder

#### Immunotechnology

7. Extraction of IgG [Immunoglobulin G] from plasma / serum
8. Purification of extracted Immunoglobulins [Using Dialysis process]
9. Pepsin digestion and purification of digested IgG
10. Preparation of Antigens for Immunizations [including Adjuvant selection strategies]
11. SDS PAGE
12. ELISA [Sandwich ELISA - Qualitative]
13. RID
14. DID [Ouchterlony]

#### Plant Tissue Culture

15. Preparation of media and stock solution
16. Preparation of Explants
17. Callus initiation and Maintenance [In Potato]

18. Shoot & Root Induction in potato

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Fee details in Rs per student					
Fee	5 Days	10 Days	20 days	1 Month	45 Days
Individual	54400	57500	74900	94400	113400
Group 2 - 4	51300	51300	70900	89800	107800
Group 5 - 7	50700	50700	70100	88900	106700
Group 8 - 10	50100	50100	69300	88000	105600