



## Nutrigenomics Winter Training

NTHRYS provides Nutrigenomics 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

Nutrigenomics Training Program at NTHRYS is provided under below module:

	Theory	Practical
Introduction to Nutrigenomics	Overview of Nutrigenomics Control of Gene Transcription Personalized Nutrition Interaction of Molecules with Genes Molecular approach in nutritional disorders Single Nucleotide Polymorphisms Protein structure and function Introduction to DNA Microarrays (beginner level)	

Nutrition and Disease: Associated Target Genes	Inflammation and Associated Target Genes Obesity and Associated Target Genes Diabetes and Associated Target Genes CVD and Associated Target Genes Cancer and Associated Target Genes Osteoporosis and Associated Target Genes	Structure DB
Bioinformatics (Genomics and proteomics)	Introduction to Bioinformatics Biological Databases Structure Databases Sequence Databases Gene Prediction & Functional Analysis Sequence alignment Restriction Site Mapping Protein Visualization Software Phylogenetic Analysis Fold Recognition Homology Modeling Model Evaluation Pathway Databases KEGG [all databases ] Energy minimization Docking of Small Molecules	NCBI, MMDB, EMBL, DDBJ, SwissProt PDB, CATH, SCOP, InterproScan, Signal Scan Scan, Prosite, Prodom, MotifScan, PFam RF finder, GeneScan BLAST, Clustalw Webcutter, NEBCutter RasMol, SPDBV MEGA5, PHYLIP MFOLD, PFOLD Swiss Model 3DPSSM Procheck  CHARM-GUI, Amber AutoDOCK, Hex, Argus Lab

## Note

Best course duration is 1 month & above. For 5 days only 20% of the total Tools will be trained as well for 10 Days - 30% and for 20 Days - 50% of Total mentioned tools will be trained.

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Fee details in Rs per student					
Fee	5 Days	10 Days	20 days	1 Month	45 Days
Individual	34000	35900	46600	58600	70200
Group 2 - 4	32200	32200	44100	55700	66800
Group 5 - 7	31800	31800	43700	55200	66100
Group 8 - 10	31400	31400	43200	54600	65400

