Biochemistry Inplant Training

NTHRYS provides Biochemistry Inplant 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

Module	Protocols List
Module - I	**Protocols covered under this Module - I:** 1. **Analysis** 1. Protein Analysis 2. Carbohydrate Analysis 1. Hexose Assay 2. Pentose Assay 3. Disacchharide Assay 4. Polysacchharide Assay 3. Lipid Analysis 1. Lipid Extraction 1. Modified Bligh and Dyers Method for Phospholipid Extraction 2. Folch Extraction 2. Thin Layer Chromatography 4. Nucleic Acid Analysis 2. **Assays** 1. Enzyme Assays 1. Enzyme Kinetics [Basics] 2. Amylase Assay 3. Protease Assay

Module - II	**Protocols covered under this Module - II:** 1. **Protein Purifications** 1. Protein Precipitations 2. Column Chromatography 2. **Protein Analysis** 1. Protein Estimations 1. Absorbance Assays 2. Colorimetric Assays 3. Commercial Protein Assays 2. Spectrometric Analysis 3. SDS PAGE 4. Gel Staining 1. Coomassie Blue Staining 2. Silver Staining 3. **Lipid Extractions** 1. Grey Method for Phosphatidylinositol Phosphate Extraction 2. Modified Alex Brown Method for Phosphatidylinositol Phosphate Extraction 3. Hexane Extraction for Neutral Lipids 4. Glycolipid Extraction 4. **Immunprecipitations**
Module - III	**Protocols covered under this Module - III:** 1. **Protein Purifications** 1. Protein Precipitations 2. Column Chromatography 2. **Protein Analysis** 1. Protein Estimations 1. Absorbance Assays 2. Colorimetric Assays 3. Commercial Protein Assays 2. Spectrometric Analysis 3. SDS PAGE 4. Gel Staining 1. Coomassie Blue Staining 2. Silver Staining 3. **Lipid Extractions** 1. Grey Method for Phosphatidylinositol Phosphate Extraction 2. Modified Alex Brown Method for Phosphatidylinositol Phosphate Extraction 3. Hexane Extraction for Neutral Lipids 4. Glycolipid Extraction 4. **Immunprecipitations**

Module - IV	**Protocols covered under this Module - IV:** 1. **Medical Plant Extraction studies** 1. Medical Plant Extraction using Soxhlet Apparatus 2. Hydrextractions 3. Methanolic Extractions 4. Hexane Extractions 5. Ethanolic Extractions 2. **Phytochemical Analysis** 3. **HPLC** 4. **GC**
Module - V	**Protocols covered under this Module - V:** 1. **Western Blotting** 2. **Enzyme Assays** 1. Lipid Kinase Assays 2. Protein Kinase Assays 3. Protein Tyrosine Phasphatase Assay 4. Alkaline Phosphatase Assay 5. Caspase Assay 3. **Functional Assays** 1. Apoptosis Assay 2. XTT Cell Proliferation Assay 3. Chemotaxis Assay 4. Matrigel Invasion or Cheoinvasion Assay
Module - VI	**Protocols covered under this Module - VI:** 1. **Mammalian Cell Culturing** 1. Primary Cell Isolation & culturing 2. Splenocyte Isolation 3. Isolation of Peripheral Blood Lymphocytes 2. **Tissue Culture** 1. Adherent Cells 2. Suspension Cells 3. Cell Maintenance 4. Cell Counting 3. **Anticarcinogenic Assays** 1. MTT Assay 2. Tryphan Blue Assay

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Fee details in Rs per student					
Fee	5 Days	10 Days	20 days	1 Month	45 Days
Individual	13300	14000	17700	22000	26000
Group 2 - 4	12600	12600	16900	21000	24800

Group 5 - 7	12500	12500	16700	20800	24600
Group 8 - 10	12400	12400	16500	20600	24400