

Biotechnology Summer Camp

Hands on Training for One Month

B.V. Patel Pharmaceutical Education and Research Development (PERD) Centre, Thaltej, Ahmedabad

| Description | Module - 1 | Module - 2 | Module - 3 | Module - 4 |
|--------------------|---|---|--|--|
| | Molecular Biology Techniques <ul style="list-style-type: none"> • Plasmid Map designing • Plasmid isolation • Purification • Quantitative analysis of plasmid • Plasmid analysis by NEB cutter • Restriction digestion • Ligation • Gel Electrophoresis • PCR Primer designing • PCR • PAGE • Western Blot | <ul style="list-style-type: none"> • Plant Tissue culture Basics • Media Preparation • Sterile practices • inoculation • Types of culture-root, shoot, • Molecular marker <ul style="list-style-type: none"> - DNA isolation - Gelelectrophoresis - PCR - DNA-PAGE • Electrophorograme and its analysis • Sequence analysis • Phylogenetic tree formation | <ul style="list-style-type: none"> • Animal cell culture Basics • Cell observation • Types of culture • Subculture • Cell counting • Culture maintenance • MTT assay • Cell cycle analysis by FACS • Western Blot Do's and Dont's | Microbiology <ul style="list-style-type: none"> • Isolation of bacteria • Pure culture techniques • Gramm staining • ATCC/MTCC culture and their Maintenance • Antibacterial activity of Herbal extract / compound <ul style="list-style-type: none"> - Well diffusion method - MIC determination • Finger printing and Bio-autography • Antioxidant activity |
| Fee | | | | |
| Individual | Rs. 7000/- | Rs. 8000/- | Rs. 12000/- | Rs. 6000/- |
| *Group of 5 | Rs. 5000/- each | Rs. 6000/- each | Rs. 10000/- each | Rs. 4500/- each |

Contact: neetas@perdcentre.com, perd@perdcentre.com, director@perdcentre.com , Phone: 079/27439375 Phone: 079/27439375. * Maximum 5 student can be accommodated in one module. Training can be started any time with mutual convenience.