



Saturday / Sunday PCR workshop

Only Rs. 999/- + Rs. 501/- Registration fees

Course coordinator: Devendra Lingojar, Director, ATG LAB

ATG..... Initiation
codon for Knowledge Society

Research Areas:

1. Molecular Detection: 16S rRNA, ITR, rpoB PCR
2. Plant Molecular Biology: DNA Barcoding
3. Applied Bioinformatics: Bacterial identification
4. Human Molecular Genetics: Sickle cell anemia & Beta thalassemia diagnosis

Course content for workshop (example for 16S rRNA PCR)

e.g. 1. Molecular Detection: 16S rRNA, ITR, rpoB PCR

Section I: PCR theory: What is PCR, Types of PCR and Applications in diagnosis: 16S rRNA PCR (PPTs)

Section II: PCR calculation: Protocol preparation, calculation etc. (Teaching on board)

Section III: Instrumentation handling: *Bio-rad* Gradient Thermal cycler, *Bio-rad* Universal Power pack, *Bio-rad* SubCell GT submarine electrophoresis systems, *Bio-rad* Gel casting mechanism, *Bio-rad* Gel Doc XR with *Bio-rad* Quantity one software

Section IV: Hands on training: Any one experiment from the list of workshop PCR

1. Molecular Detection: 16S rRNA, ITR, rpoB PCR
2. Plant Molecular Biology: DNA Barcoding
3. Applied Bioinformatics: Bacterial identification

Details of workshop protocol as well as theory will be available at the time of workshop at ATG LAB

Eligibility: B. Sc./ B.Tech./ M.Sc./ M.Tech./ PhD/ Lab. Technicians/Faculties from Science stream including biotechnology and life sciences (and also those who are interested in learning PCR and not from this field)

Deliverable: 1. Complete confidence in the area of completed project before you enter in the job market; 2. First authorship in DNA and protein database of NCBI; Authorship in research paper whenever communicated for journal, Preparation of CV for job, life time reference for CV, Guidance on phone before interview related to area of guidance

Batch size: Only 10 participants per day

Workshop dates for Year 2011 (Only Saturday and Sunday)

August 20, 21 & 27, 28: Molecular Detection: 16S rRNA, ITR, rpoB PCR

September 3, 4, 17, 18 & 24, 25: Applied Bioinformatics: Bacterial identification

October 1, 2, 8, 9, 15, 16, 22, 23, 29 & 30: Molecular Detection: 16S rRNA, ITR, rpoB PCR

November 12, 13, 19, 20, 26, & 27: Applied Bioinformatics: Bacterial identification

December 3, 4, 10, 11, 17 & 18: Plant Molecular Biology: DNA Barcoding for plant identification

Registration: one week before the date of workshop

For more details, visit our lab, discuss with us, discover your self what you wants to do; Find your interest, and then confirm.....

Send your request / queries by email to

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