



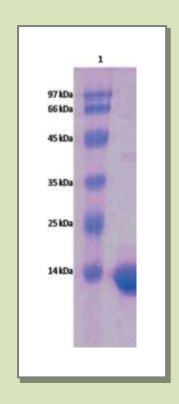
MOLECULAR CLONING & PROTEIN EXPRESSION

1stNovember -19thNovember 2022

Centre for Cellular and Molecular Biology (CSIR-CCMB), Hyderabad invites applications for the 3-week Training Program in "Molecular Cloning & Protein Expression" under its Skill Development Program.

Training Curriculum

- Principles of Handling of bacterial cell cultures, reagents preparation and equipment usage for cloning
- Preparation of media for bacterial cell culture and maintenance of the bacterial strains
- Competent cell preparation for recombinant cloning and protein expression.
- Polymerase chain reaction- Its principles and designing of oligosfor the gene of interest.
- Plasmid vector preparation and restriction digestion of theplasmid by restriction enzymes
- Ligation and transformation of the ligated recombinant gene
- Screening for positive clones and confirmation using colony PCRor restriction enzyme digestion and DNA sequencing
- Transformation of the confirmed clone into expression host bacterial strain.
- In vivo protein expression standardization, standardization of purification strategies for the expressed protein and its analysis bySDS -PAGE



Duration: 3 weeks No. of seats: 10-12

Education Qualifications (minimum): M.Sc.,

B.Tech., B.V.Sc., MBBS, B.Pharm.

Age group: 21-50 years (relaxation for SC/ST/OBC as per

GOI rules

Venue: iHub; Annexe -II, CSIR-CCMB, Hyderabad

Course Fee: Rs. 30,000/- (self/sponsored)

Contact

Dr. Archana B. Siva Senior Principal Scientist Nodal Scientist Skill Development Program CSIR-CCMB

abs@ccmb.res.in sdp@ccmb.res.in