

Biotech Project: Molecular Microbiology



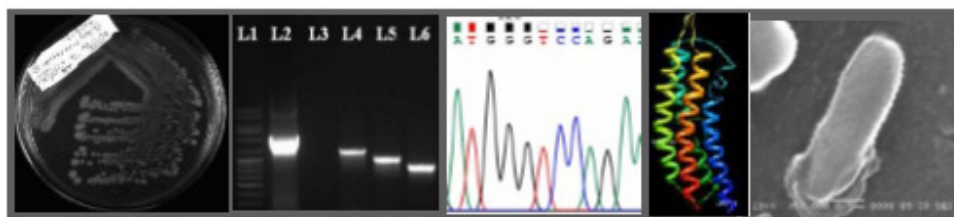
Biotech Training Project
@biotechnologytraining

4.9 ★

4.9 of 5 stars
46 reviews

5 stars ————— 43
4 stars — 3

<https://www.facebook.com/pg/biotechnologytraining/reviews>



Molecular Microbiology: Projects are based on 16S rRNA as a molecular marker for bacterial identification. Other genes we are: ITS, *rpoB*, *Cytochrome C* etc. Most of the bacterial sources are from environmental sampling from wide sources such as natural habitats to personal computers and smart phone. Most of the earlier studies are published and almost all are documented with first authorship with student name. Since decade, most of our earlier studies are based on detailed analysis of this widely studied gene for many bacterial species isolated in our laboratory.

Course content of Molecular Microbiology based projects: Course content: 1. Microbiology wet lab along with theory and background: Sterilization and disinfection, media preparation, broth and solid agar plating, sample preparation for bacterial suspension, plating, subculture, pure culture, culture maintenance 2. Molecular Biology: DNA extraction, Gradient PCR for 6 months project, Scale up PCR, Electrophoresis for Gradient PCR for 6 months project, Electrophoresis for scale up PCR product, DNA sequencing sample preparation 3. Bioinformatics: DNA sequence data analysis, Data cleaning by Chromas, BLAST, BLAST2, 16S rRNA database, Molecular Phylogeny based on 16S rRNA whole sequence for 6 months' project, partial sequence for short term project. Hypervariable region studies for 6 months' project, Multiple sequence alignment and phylogeny of hypervariable regions for 6 months' project. First authorship in NCBI database for 6 months' project, groups authorship for 4 months' project. Duration: 3 to 4 months and 6 months; First authorship in NCBI database for 6 months' project, groups authorship for 4 months' project. Fees: Rs. 40,000/- and Rs. 60,000/-

Key features while learning at ATG LAB

Original work and entirely new project designed for your needs based on your CV, current industry requirements in molecular biology, Initial training before starting of the project, guidance on review of literature, wet lab demonstration, individual handling of instruments, protocol set up, calculations and learning from failure and trouble shooting in molecular biology, publication in NCBI database as first author. (i.e. data generated will be published in NCBI database with first authorship for research student).

Benefits after completing research project from ATG LAB

1. Case studies of successful research students from ATG LAB: PhD and Post Doc studies (in India and abroad),
2. Recommendation for further job and PhD studies abroad along with sharing contacts of past students who are placed in India and abroad for guidance for MS / PhD studies abroad.
3. Complete guidance on PhD preparation in biotechnology and life sciences, including statement of purpose (SOP) for different universities in USA, UK, Europe and Australia and Canada, passport and visa guidance and CV preparation etc. with 50% discounted rates

For admission, send completely filled registration form to ATG LAB, 1- Saurabha Apartment, Ganesh Nagar, Pimple Nilakh, Pune 411027. For more information, read registration form. Call 02065104543 or 9921446321 or email to atgbiotechproject@gmail.com For further details of earlier projects and facilities, visit www.biotechtrainingproject.com

10 Years 300+ trained 80+ Final year Students from all over India

We help PhD students to save their PhD.

For more details, visit page "Gallery" for list of training and project since decade

www.atgbiotech.com

www.biotechpune.com