

Biotech Project in Human Genetics and Genomics

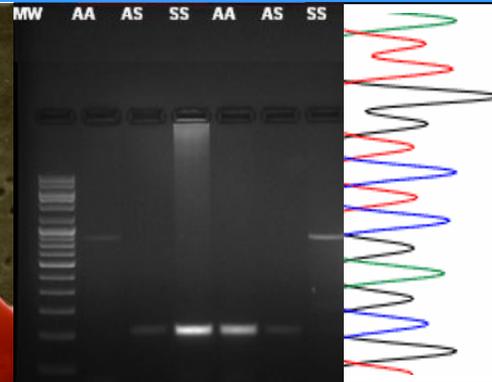
Human Genetics & Genomics, Human migration



Biotech Training Project
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Molecular Genetics: Projects are based on human DNA samples from various field work studies as a part of population genetics screening programs being conducted across Indian tribal states. Some of the genes under studies are beta globin gene and associated hemoglobinopathies such as sickle cell disease (SCD) and other hemoglobinopathies such as beta thalassemia, Hemoglobin E, Hemoglobin J etc. Most of our studies are on SCD based on diagnostics, population genetics, marriage and genetic counseling program in field. Student will get real life clinical studies on SCD by participating in fieldwork studies in fields in collaboration with NGO and local supportive groups and colleges in India. New projects are in STR, human migration, and DNA fingerprinting apart from SCD research.

Course content of Human Genetics and Genomics: Selection of gene of interest from human genome; Genomic DNA isolation from blood, Primer design and PCR standardization, specific gene amplification from human genome, Exon and Intron amplification, DNA sequence analysis and possible SNP studies and correlation with clinical conditions. Homology modeling and protein structure visualization, DNA and protein sequence submission in NCBI with first authorship. Conference abstract preparation for presentation. Find our earlier studies in google scholar or ResearchGate. Authorship in conference abstract publication for 6 months provided more than 5 students contribute in the same year so that data can be generated for the manuscript or conference poster or oral presentation. Students contributing in this project will be included in list of authors for Genetics conference. Duration: 6 months: Fees Rs., 60,000/- (Project starts from DNA isolation) and Rs. 90,000 (project starts from primer design) (per project per student). assured co-authorship in conference papers and first authorship in NCBI protein and DNA database publication (for 6 months projects).

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, provided its full time long duration project).

Benefits after completing research project from ATG LAB

1. Case studies of successful research students from ATG LAB for 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

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