

NTHRYS Offers PhD Assistance in Functional Genomics

Functional Genomics explores the roles and interactions of genes, shedding light on how genetic information is translated into biological functions. At NTHRYS, we provide expert PhD assistance in Functional Genomics, guiding researchers in transcriptomics, gene regulatory networks, genome editing, and functional annotation of non-coding RNAs. Our mentorship ensures impactful research contributions in personalized medicine, epigenomics, and synthetic biology.

[Back to PhD Assistance Home Page](#) [PhD Fields List](#)

Research Areas in Functional Genomics

- Transcriptomic Profiling and Gene Expression Analysis
- Genome-Wide Association Studies (GWAS)
- Functional Annotation of Non-Coding RNAs
- CRISPR-Cas9 Applications in Functional Genomics
- Epigenetic Modifications and Gene Regulation
- Single-Cell RNA Sequencing and Functional Insights
- MicroRNA and siRNA Functional Analysis
- Long Non-Coding RNAs in Gene Regulation
- Gene Knockout and Knockdown Approaches
- Mapping of Enhancer-Promoter Interactions
- Molecular Mechanisms of Alternative Splicing
- Gene Expression Networks in Disease Pathogenesis
- Genomic Imprinting and Functional Consequences
- Functional Genomics in Plant Stress Responses
- Synthetic Biology Approaches in Functional Genomics
- RNA-Seq-Based Functional Annotation
- Functional Genomics in Cancer Research
- Comparative Transcriptomics in Evolutionary Studies
- Epigenome-Wide Association Studies (EWAS)
- Functional Impact of Copy Number Variations
- Integrating Multi-Omics for Functional Genomics
- Functional Consequences of Single Nucleotide Variants
- Histone Modifications and Their Regulatory Roles
- Functional Genomics in Drug Response and Pharmacogenomics
- CRISPR Screening for Functional Genomic Studies

- Transcription Factor Binding Site Mapping
- Functional Characterization of Pseudogenes
- High-Throughput Screening for Functional Genomics
- Gene Regulatory Networks and Their Computational Modeling
- Functional Studies of Enhancer RNAs
- Chromatin Accessibility and Functional Genomics
- Metabolic Pathways Regulation via Functional Genomics
- Role of Functional Genomics in Stem Cell Biology
- Genome-Wide Functional Analysis in Microbial Systems
- Genome Editing Technologies for Functional Studies
- Molecular Interactions in Functional Genomics
- Functional Implications of DNA Methylation
- Functional Genomics in Host-Pathogen Interactions
- 3D Chromatin Structure and Its Functional Impact
- Functional Characterization of Epitranscriptomics
- Functional Genomics in Agricultural Crop Improvement
- Role of ncRNAs in Developmental Biology
- Functional Genomics in Immunological Disorders
- Impact of Genetic Variants on Gene Function
- Functional Analysis of Disease-Specific Mutations
- Applications of Functional Genomics in Synthetic Biology
- Functional Roles of RNA Modifications
- CRISPR-Based Functional Screens in Model Organisms
- Functional Implications of Structural Variations
- Functional Genomics in Neurodegenerative Disorders
- Gene Expression Changes in Response to Environmental Stress
- Integrating AI for Functional Genomics Predictions
- Chromatin Remodeling and Functional Consequences
- Multi-Omics Integration for Functional Insights
- Functional Analysis of Fusion Genes in Cancer
- Pathway Analysis in Functional Genomics
- Functional Genomics in Aging and Longevity Research
- Functional Annotations of Circular RNAs
- Genome-Wide Studies of Protein-RNA Interactions
- Role of Functional Genomics in Translational Medicine
- Functional Genomics in Infectious Disease Research
- Functional Classification of Novel Genes
- Understanding Gene-Environment Interactions via Functional Genomics
- Predictive Modeling in Functional Genomics
- Functional Genomics in Personalized Nutrition
- Evolutionary Adaptations Through Functional Genomics
- Functional Genomics in Tissue Regeneration

NTHRYS OPC PVT LTD NTHRYS Offers PhD Assistance in Functional Genomics

Contact Via Whatsapp on +91-7993084748 for more details