

# Functional Genomics Projects with Accommodation at Kolkata

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|--------------------------------|-----------------------------|------------------------------------------|
| <b>20</b><br>Active Categories | <b>200</b><br>Focused Areas | <b>Kolkata</b><br>Accommodation Location |
|--------------------------------|-----------------------------|------------------------------------------|

## How to View Accommodation Details and Booking Options

1. Open the Projects page or the corresponding Topics page.
2. Select the relevant focused area.
3. Select the available duration, mode and project type.
4. Choose **Offline** mode to access accommodation booking options.
5. Continue to the fee/payment page and use the **Branches Select Option**.
6. After selecting the branch, use **Book NTHRYS Accommodation** to view accommodation fee, facility photographs, amenities and the available booking details.

## Functional Genomics Project Categories

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| <b>CRISPR Functional Genomics Screen Platform Dev</b><br><a href="https://projects.nthrys.com/functional-genomics/crispr-functional-genomics-screen-platform-dev">https://projects.nthrys.com/functional-genomics/crispr-functional-genomics-screen-platform-dev</a>    | <b>RNAi Functional Genomics Screening Platforms</b><br><a href="https://projects.nthrys.com/functional-genomics/rnai-functional-genomics-screening-platforms">https://projects.nthrys.com/functional-genomics/rnai-functional-genomics-screening-platforms</a>                         |
| <b>Gene Ontology Functional Annotation Services</b><br><a href="https://projects.nthrys.com/functional-genomics/gene-ontology-functional-annotation-services">https://projects.nthrys.com/functional-genomics/gene-ontology-functional-annotation-services</a>          | <b>Functional Genomics Drug Target Validation Platforms</b><br><a href="https://projects.nthrys.com/functional-genomics/functional-genomics-drug-target-validation-platforms">https://projects.nthrys.com/functional-genomics/functional-genomics-drug-target-validation-platforms</a> |
| <b>Transcription Factor Functional Genomics Tools</b><br><a href="https://projects.nthrys.com/functional-genomics/transcription-factor-functional-genomics-tools">https://projects.nthrys.com/functional-genomics/transcription-factor-functional-genomics-tools</a>    | <b>Functional Genomics Biomarker Discovery Services</b><br><a href="https://projects.nthrys.com/functional-genomics/functional-genomics-biomarker-discovery-services">https://projects.nthrys.com/functional-genomics/functional-genomics-biomarker-discovery-services</a>             |
| <b>Epigenetic Functional Genomics Analytics Tools</b><br><a href="https://projects.nthrys.com/functional-genomics/epigenetic-functional-genomics-analytics-tools">https://projects.nthrys.com/functional-genomics/epigenetic-functional-genomics-analytics-tools</a>    | <b>Functional Genomics Plant Biotech Applications</b><br><a href="https://projects.nthrys.com/functional-genomics/functional-genomics-plant-biotech-applications">https://projects.nthrys.com/functional-genomics/functional-genomics-plant-biotech-applications</a>                   |
| <b>Synthetic Lethality Functional Screen Platforms</b><br><a href="https://projects.nthrys.com/functional-genomics/synthetic-lethality-functional-screen-platforms">https://projects.nthrys.com/functional-genomics/synthetic-lethality-functional-screen-platforms</a> | <b>Microbial Functional Genomics Industrial Tools</b><br><a href="https://projects.nthrys.com/functional-genomics/microbial-functional-genomics-industrial-tools">https://projects.nthrys.com/functional-genomics/microbial-functional-genomics-industrial-tools</a>                   |
| <b>Functional Genomics CRO Service Platforms</b><br><a href="https://projects.nthrys.com/functional-genomics/functional-genomics-cro-service-platforms">https://projects.nthrys.com/functional-genomics/functional-genomics-cro-service-platforms</a>                   | <b>Functional Genomics SaaS Platform Development</b><br><a href="https://projects.nthrys.com/functional-genomics/functional-genomics-saas-platform-development">https://projects.nthrys.com/functional-genomics/functional-genomics-saas-platform-development</a>                      |
| <b>Functional Genomics Regulatory Compliance Tools</b><br><a href="https://projects.nthrys.com/functional-genomics/functional-genomics-regulatory-compliance-tools">https://projects.nthrys.com/functional-genomics/functional-genomics-regulatory-compliance-tools</a> | <b>Functional Genomics IP &amp; Strategy Analytics</b><br><a href="https://projects.nthrys.com/functional-genomics/functional-genomics-ip-strategy-analytics">https://projects.nthrys.com/functional-genomics/functional-genomics-ip-strategy-analytics</a>                            |

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| <b>Functional Genomics Market Intelligence Analytics</b><br><a href="https://projects.nthrys.com/functional-genomics/functional-genomics-market-intelligence-analytics">https://projects.nthrys.com/functional-genomics/functional-genomics-market-intelligence-analytics</a> | <b>Functional Genomics Investment Analytics Tools</b><br><a href="https://projects.nthrys.com/functional-genomics/functional-genomics-investment-analytics-tools">https://projects.nthrys.com/functional-genomics/functional-genomics-investment-analytics-tools</a>             |
| <b>Non-Coding RNA Functional Genomics Platforms</b><br><a href="https://projects.nthrys.com/functional-genomics/non-coding-rna-functional-genomics-platforms">https://projects.nthrys.com/functional-genomics/non-coding-rna-functional-genomics-platforms</a>                | <b>Functional Genomics Oncology Research Services</b><br><a href="https://projects.nthrys.com/functional-genomics/functional-genomics-oncology-research-services">https://projects.nthrys.com/functional-genomics/functional-genomics-oncology-research-services</a>             |
| <b>Functional Genomics High-Content Screening Tools</b><br><a href="https://projects.nthrys.com/functional-genomics/functional-genomics-high-content-screening-tools">https://projects.nthrys.com/functional-genomics/functional-genomics-high-content-screening-tools</a>    | <b>Functional Genomics Consulting &amp; Advisory Services</b><br><a href="https://projects.nthrys.com/functional-genomics/functional-genomics-consulting-advisory-services">https://projects.nthrys.com/functional-genomics/functional-genomics-consulting-advisory-services</a> |

## Functional Genomics Project Topics and Focused Areas

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### CRISPR Functional Genomics Screen Platform Dev

- High-throughput CRISPR Screen Library Design Software
- CRISPR Screen Data Analytics and Hit Prioritization Suite
- Multiplexed Pooled CRISPR Screen Workflow Automation Platform
- AI-powered Off-target Effect Prediction and Mitigation Tool
- Phenotypic Readout Integration Platform for CRISPR Screens
- Target Validation Service Using Targeted CRISPR Screens
- CRISPR Screen Result Interpretation and Patent Landscape Tool
- Tissue-specific CRISPR Screen Library Resource and Services
- Real-time CRISPR Screen Monitoring and Optimization Engine
- Multi-species Comparative CRISPR Functional Genomics Platform

### RNAi Functional Genomics Screening Platforms

- High-Throughput RNAi Screening SaaS Platform
- Pooled siRNA Library Production and Validation Service
- AI-Powered RNAi Off-Target Effect Prediction Tool
- Integrated RNAi Phenotype Detection and Analysis Suite
- Cell Type-Specific RNAi Delivery Optimization Platform
- Real-Time RNAi Knockdown Kinetics Monitoring System
- Functional Genomics Data Integration and Target Prioritization Engine
- Multiplexed RNAi Screen Execution and Data Management Platform
- Functional Validation-as-a-Service for RNAi-Identified Targets
- Programmable RNA Interference Screening Reagent Synthesis Platform

### Gene Ontology Functional Annotation Services

- Real-time Gene Ontology Annotation Engine for High-throughput Sequencing
- Enterprise GO Term Harmonization and Cross-database Integration Suite
- Predictive Gene Function Discovery Platform Using Deep Learning
- Tissue-specific and Condition-dependent GO Annotation Customization Tool
- Quality Control and Curation Workflow for Gene Ontology Annotations

- Multi-species Gene Ontology Comparative Analysis and Mapping Service
- Interactive Visualization Dashboard for GO Enrichment and Pathway Analysis
- API-first Gene Ontology Annotation Microservices for Genomic Workflows
- Custom GO Ontology Building and Maintenance for Domain-specific Applications
- Automated GO Annotation Update and Version Management Enterprise System

### **Functional Genomics Drug Target Validation Platforms**

- AI-Powered CRISPR Target Discovery SaaS Platform
- High-Throughput Protein-Drug Interaction Validation Service
- RNAi Therapeutics Target Validation Workflow Platform
- Multi-Omics Integration Engine for Target Prioritization
- Patient-Derived Model Validation and Screening Service
- Functional Genomics Data Analytics and Interpretation Platform
- High-Content Imaging Target Validation Technology Platform
- Biomarker-Driven Target Validation and Patient Stratification Tool
- Synthetic Lethality Target Discovery and Validation Workflow
- Real-Time Pharmacogenomics Target Validation Testing Service

### **Transcription Factor Functional Genomics Tools**

- AI-Powered Transcription Factor Binding Site Prediction Engine
- High-Throughput ChIP-Seq Data Analysis and Visualization Platform
- Transcription Factor Target Gene Discovery and Prioritization Tool
- ATAC-Seq Open Chromatin Profiling and Commercial Analytics Suite
- Transcription Factor Knockout Phenotype Prediction and Screening Platform
- Integrated Regulatory Network Modeling and Commercial Decision Support System
- Transcription Factor Motif Database and Sequence Matching Commercial Service
- Single-Cell RNA-Seq TF Activity Inference and Cell State Analysis Tool
- Machine Learning-Based Enhancer-Promoter Interaction and TF Linking Platform
- Transcription Factor Biomarker Discovery and Clinical Validation Commercial Suite

### **Functional Genomics Biomarker Discovery Services**

- Disease Biomarker Discovery SaaS Platform
- Predictive Patient Stratification Analytics Tools
- Gene Expression Profiling Commercial Service
- Drug Response Prediction Engine Platform
- Variant Interpretation and Functional Impact Service
- Protein Interaction Network Analysis Commercial Tool

- Cancer Genomics Biomarker Development Platform
- Functional Annotation High-Throughput Screening Service
- Biomarker Validation and Regulatory Submission Support
- Multi-Omics Integration Platform for Clinical Decision

### **Epigenetic Functional Genomics Analytics Tools**

- AI-Powered Histone Modification Pattern Recognition Engine
- Cloud-Based DNA Methylation Analysis SaaS Platform
- Chromatin Accessibility Predictive Modeling Commercial Suite
- Multi-Omics Epigenetic Data Integration and Visualization Tool
- Single-Cell Epigenomic Analysis and Cell State Classification
- Regulatory Element Discovery and Annotation Automation Service
- Non-Coding RNA Epigenetic Regulation Mining Platform
- Disease-Specific Epigenetic Biomarker Discovery and Validation
- CRISPR Epigenome Editing Outcome Prediction Software
- Temporal Epigenetic State Dynamics and Aging Clock Development

### **Functional Genomics Plant Biotech Applications**

- Precision Crop Yield Prediction SaaS Platform
- Gene-to-Phenotype Digital Breeding Software Suite
- Crop Stress Resilience Genomic Testing Service
- Functional Annotation Pipeline for Crop Genomes
- Personalized Seed Selection Recommendation Engine
- Microbial-Plant Genomic Interaction Screening Tool
- Allele Mining Database for Agronomic Trait Discovery
- Quality Trait Genomic Prediction for Premium Markets
- Gene Expression Profiling Service for Seed Development
- Regulatory Compliance Genomic Documentation Platform

### **Synthetic Lethality Functional Screen Platforms**

- High-Throughput CRISPR Synthetic Lethality Screening Platform
- RNAi-Based Functional Genomics as a Service Portal
- Machine Learning Synthetic Lethal Interaction Prediction Engine
- Multiplexed Gene Perturbation Screening Kit and Analytics
- Cancer Cell Line Synthetic Lethality Database and Licensing
- High-Content Imaging Synthetic Lethality Validation Service
- Genome-Scale Metabolic Synthetic Lethality Prediction Software

- Population-Based Synthetic Lethality Genomic Data Repository
- Protein-Protein Interaction Based Synthetic Lethality Discovery Tool
- Clinical Sample Synthetic Lethality Screening as Outsourced Service

### **Microbial Functional Genomics Industrial Tools**

- Microbial Strain Optimization SaaS Platform
- Rapid Pathogenic Microbe Detection and Identification Tool
- Metabolic Engineering Design Automation Software Suite
- Industrial Probiotic Efficacy Validation Service
- Enzyme-Producing Microbe Screening and Selection Platform
- Microbial Biofilm Prediction and Disruption Tool
- Gene Expression Profiling for Biopharmaceutical Manufacturing
- Horizontal Gene Transfer Risk Assessment Commercial Service
- Antibiotic Resistance Gene Surveillance and Reporting Platform
- Fermentation Process Predictive Analytics Using Microbial Genomics

### **Functional Genomics CRO Service Platforms**

- High-Throughput Gene Expression Profiling Platform
- CRISPR Functional Screening as a Service
- Multi-Omics Data Integration and Analysis Portal
- Phenotypic Screening with Genetic Annotation Services
- Patient-Derived Xenograft Genomic Profiling Platform
- Real-Time RNA Interference Efficacy Prediction Tool
- Genome-Wide Association Study Interpretation Engine
- Disease Model Development and Characterization Services
- Variant Effect Prediction and Functional Validation Platform
- Epigenetic Biomarker Discovery and Therapeutics Platform

### **Functional Genomics SaaS Platform Development**

- Gene Expression Profiling SaaS for Drug Discovery
- CRISPR Screen Analysis and Optimization Commercial Tool
- Pathways and Network Analysis SaaS for Biomarker Discovery
- Genome Variant Interpretation Platform for Clinical Labs
- Regulatory-Grade Omics Data Management and Analytics Suite
- Machine Learning Models for Phenotype-Genotype Prediction
- Single-Cell Genomics Processing and Visualization Commercial Platform
- Microbiome Functional Analysis and Therapeutics Discovery Tool

- Epigenomic Data Integration Platform for Disease Research
- Whole Genome and Exome Sequencing Analysis Commercial Solution

### **Functional Genomics Regulatory Compliance Tools**

- Regulatory Compliance Dashboard for Gene Expression Data
- Automated Variant Classification Engine for Clinical Genomics
- Data Provenance and Traceability Platform for Genomic Records
- Bioinformatics Pipeline Validation and GxP Software Suite
- Consent Management and Privacy Control for Genetic Data
- Reference Genome Quality Assurance and Benchmarking Tool
- Regulatory Submission Assistant for Genomic Drug Development
- Laboratory Information Management System for Genomic Testing
- Pharmacogenomics Knowledge Base and Clinical Decision Support
- Genomic Data Harmonization and Interoperability Compliance Engine

### **Functional Genomics IP & Strategy Analytics**

- Gene Expression Profiling SaaS Platform for Drug Discovery
- CRISPR Target Validation Analytics Engine for Biotech
- Variant Interpretation and Pathogenicity Prediction Commercial Service
- High-Throughput Phenotyping Data Integration and Automation Platform
- Network Pharmacology and Gene Interaction Prediction Software
- Epigenetic Biomarker Discovery Platform for Cancer Diagnostics
- Gene Regulatory Network Mapping and Prediction Engine
- Population-Scale Genomic Risk Stratification Analytics Service
- Synthetic Lethality Prediction and Target Pairing Identification Tool
- Functional Annotation Pipeline for Non-Coding Genomic Elements

### **Functional Genomics Market Intelligence Analytics**

- Gene Expression Profiling SaaS Platform Analytics
- Variant Effect Prediction Commercial Software Suite
- Pathway Enrichment Analysis Cloud Platform Service
- CRISPR Functional Screening Data Management Platform
- Epigenetic Marks Integration Analytics Commercial Tool
- Single-Cell Functional Genomics Processing Enterprise Solution
- Gene Regulatory Network Inference Commercial Platform
- Quantitative Trait Locus Mapping Commercial Analytics
- Functional Annotation Knowledge Base Commercial Access

- Systems Pharmacogenomics Prediction SaaS Intelligence

### **Functional Genomics Investment Analytics Tools**

- Gene Expression Profiling SaaS Platform for Drug Discovery
- Variant Effect Prediction Engine for Clinical Genomics Applications
- Pathway Enrichment Analytics Dashboard for Biomarker Identification
- RNA-Seq Data Processing and Quality Control Workflow Software
- CRISPR Functional Screening Data Management and Analytics Platform
- Epigenetic Modification Analysis Tool for Precision Medicine
- Protein-Protein Interaction Network Visualization and Mining Software
- Single-Cell Genomics Data Integration and Cell Type Annotation Service
- Regulatory Region Prediction Engine for Gene Therapy Development
- Multi-Omics Data Integration and Systems Biology Inference Platform

### **Non-Coding RNA Functional Genomics Platforms**

- miRNA Expression Profiling SaaS Platform
- lncRNA Annotation and Target Prediction Engine
- CircRNA Therapeutic Discovery and Development Suite
- Small RNA Sequencing Data Analysis Marketplace
- Competing Endogenous RNA Network Visualization Tool
- Non-coding RNA Biomarker Validation and Certification Service
- High-Throughput Functional ncRNA Screening Platform
- AI-Powered ncRNA Secondary Structure Prediction Tool
- ncRNA Expression Quality Control and Normalization Software
- Clinical ncRNA Biomarker Panel Design and Reporting System

### **Functional Genomics Oncology Research Services**

- Cancer Mutation Database and Interpretation Platform
- AI-Powered Gene Expression Profiling for Tumor Classification
- CRISPR Off-Target Effects Prediction and Screening Suite
- Liquid Biopsy Data Analytics Platform for Circulating Tumor DNA
- Tumor Microenvironment Cell Deconvolution Software as Service
- Personalized Cancer Neoantigen Discovery and Prediction Engine
- Copy Number Variation Calling and Cancer Driver Gene Discovery
- High-Throughput Functional Genomics Screening Data Management Portal
- Chromatin Accessibility and Epigenetic Profiling Analysis Tool
- Cancer Genomic Data Integration and Multi-Omics Interpretation Platform

## Functional Genomics High-Content Screening Tools

- High-Throughput Cell Phenotyping Platform with AI
- CRISPR Gene Perturbation Screening as a Service
- Multi-Omics Data Integration and Visualization Tool
- Real-Time Cell Viability Monitoring Microplate System
- Automated Image Analysis Engine for Morphological Screening
- Synthetic Lethality Discovery Platform for Oncology
- High-Content Screening Data Management and Analytics Hub
- Target Engagement Assay Multiplexing Technology Platform
- Artificial Intelligence Powered Compound Activity Prediction
- Three-Dimensional Tissue Organoid Screening Service Platform

## Functional Genomics Consulting & Advisory Services

- Gene Expression Profiling Platform for Biomarker Discovery
- CRISPR Off-Target Effects Prediction and Analysis Tool
- Pathway Analysis and Drug Target Prioritization Suite
- Personalized Medicine Genomic Report Generation Service
- Epigenetic Modification Mapping and Therapeutic Screening Platform
- Protein Interaction Network Prediction and Validation Software
- Copy Number Variation Detection and Clinical Interpretation Suite
- Single-Cell RNA-seq Data Mining and Cell Type Discovery Tool
- Germline and Somatic Variant Annotation Knowledge Base Platform
- Transcriptomics-Informed Patient Stratification and Prognosis Service

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