

Applied Genomics Internship Topics

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50
Active Categories

5
Focused Areas

Internships
Internships

Applied Genomics Internship Categories

Clinical Applied Genomics Implementation Research https://internships.nthrys.com/applied-genomics/clinical-applied-genomics-implementation	AI Applied Genomics for Rare Disease Research https://internships.nthrys.com/applied-genomics/ai-applied-genomics-rare-disease-research
Applied Forensic Genomics Research https://internships.nthrys.com/applied-genomics/applied-forensic-genomics-research	Agricultural Applied Genomics Research https://internships.nthrys.com/applied-genomics/agricultural-applied-genomics-research
Conservation Applied Genomics Research https://internships.nthrys.com/applied-genomics/conservation-applied-genomics-research	AI Pharmacogenomics Clinical Application Research https://internships.nthrys.com/applied-genomics/ai-pharmacogenomics-clinical-application
Microbiome Applied Genomics Research https://internships.nthrys.com/applied-genomics/microbiome-applied-genomics-research	AI Cancer Applied Genomics Research https://internships.nthrys.com/applied-genomics/ai-cancer-applied-genomics-research
Epigenomics Applied Genomics Research https://internships.nthrys.com/applied-genomics/epigenomics-applied-genomics-research	Pandemic Applied Genomics Surveillance Research https://internships.nthrys.com/applied-genomics/pandemic-applied-genomics-surveillance-research
Plant Stress Response Genomics Research https://internships.nthrys.com/applied-genomics/plant-stress-response-genomics-research	Personalized Medicine Genomic Profiling Study https://internships.nthrys.com/applied-genomics/personalized-medicine-genomic-profiling-study
Structural Variant Detection Methodology Research https://internships.nthrys.com/applied-genomics/structural-variant-detection-methodology-research	Pathogen Genomics Resistance Tracking Study https://internships.nthrys.com/applied-genomics/pathogen-genomics-resistance-tracking-study
Plant Domestication Trait Genomics Research https://internships.nthrys.com/applied-genomics/plant-domestication-trait-genomics-research	Single-Cell Genomics Data Integration Project https://internships.nthrys.com/applied-genomics/single-cell-genomics-data-integration-project
Environmental DNA Metagenomic Assessment Research https://internships.nthrys.com/applied-genomics/environmental-dna-metagenomic-assessment-research	Livestock Genomic Selection Breeding Study https://internships.nthrys.com/applied-genomics/livestock-genomic-selection-breeding-study
Metabolic Pathway Genomics Engineering Research https://internships.nthrys.com/applied-genomics/metabolic-pathway-genomics-engineering-research	Immune Response Genomic Variation Analysis https://internships.nthrys.com/applied-genomics/immune-response-genomic-variation-analysis
Mitochondrial Genomics Disease Investigation Study https://internships.nthrys.com/applied-genomics/mitochondrial-genomics-disease-investigation-study	Probiotic Strain Genomics Characterization Research https://internships.nthrys.com/applied-genomics/probiotic-strain-genomics-characterization-research
Ancient DNA Analysis and Paleogenomics Project https://internships.nthrys.com/applied-genomics/ancient-dna-analysis-paleogenomics-project	Organoid Development Genomics Expression Study https://internships.nthrys.com/applied-genomics/organoid-development-genomics-expression-study
Viral Evolution Genomic Sequencing Surveillance https://internships.nthrys.com/applied-genomics/viral-evolution-genomic-sequencing-surveillance	Gene Editing Off-Target Effects Assessment Research https://internships.nthrys.com/applied-genomics/gene-editing-off-target-effects-assessment-research
Tissue-Specific Gene Regulatory Network Mapping https://internships.nthrys.com/applied-genomics/tissue-specific-gene-regulatory-network-mapping	Fungal Genomics Pathogenicity Factor Discovery https://internships.nthrys.com/applied-genomics/fungal-genomics-pathogenicity-factor-discovery
Chromosomal Instability Cancer Progression Study https://internships.nthrys.com/applied-genomics/chromosomal-instability-cancer-progression-study	Insect Pest Genomics Resistance Development Research https://internships.nthrys.com/applied-genomics/insect-pest-genomics-resistance-development-research
Human Genetic Association Study Design Implementation https://internships.nthrys.com/applied-genomics/human-genetic-association-study-design-implementation	Plant-Pathogen Interaction Transcriptomics Research https://internships.nthrys.com/applied-genomics/plant-pathogen-interaction-transcriptomics-research
Causal Variant Fine-Mapping Computational Study https://internships.nthrys.com/applied-genomics/causal-variant-fine-mapping-computational-study	Synthetic Biology Chassis Organism Development https://internships.nthrys.com/applied-genomics/synthetic-biology-chassis-organism-development
Clinical Variant Interpretation and Curation Project https://internships.nthrys.com/applied-genomics/clinical-variant-interpretation-curation-project	Horizontal Gene Transfer Network Analysis Research https://internships.nthrys.com/applied-genomics/horizontal-gene-transfer-network-analysis-research

Nutrient-Response Gene Regulatory Element Study https://internships.nthrys.com/applied-genomics/nutrient-response-gene-regulatory-element-study	Coral Symbiosis Genomics Heat Stress Investigation https://internships.nthrys.com/applied-genomics/coral-symbiosis-genomics-heat-stress-investigation
Species Hybrid Genomics Incompatibility Mapping https://internships.nthrys.com/applied-genomics/species-hybrid-genomics-incompatibility-mapping	Tumor Clonal Evolution Phylogenetic Reconstruction https://internships.nthrys.com/applied-genomics/tumor-clonal-evolution-phylogenetic-reconstruction
Enzymatic Function Protein Variant Prediction Research https://internships.nthrys.com/applied-genomics/enzymatic-function-protein-variant-prediction-research	Mutagenesis Screen Genomic Hit Validation Study https://internships.nthrys.com/applied-genomics/mutagenesis-screen-genomic-hit-validation-study
Host-Microbe Co-Evolution Genomics Analysis Project https://internships.nthrys.com/applied-genomics/host-microbe-co-evolution-genomics-analysis-project	Pharmaceutical Target Druggability Genomics Assessment https://internships.nthrys.com/applied-genomics/pharmaceutical-target-druggability-genomics-assessment
Environmental Toxin Response Genomic Biomarker Study https://internships.nthrys.com/applied-genomics/environmental-toxin-response-genomic-biomarker-study	Protein-DNA Interaction Genomic Target Site Discovery https://internships.nthrys.com/applied-genomics/protein-dna-interaction-genomic-target-site-discovery
Zoonotic Pathogen Spillover Risk Genomics Research https://internships.nthrys.com/applied-genomics/zoonotic-pathogen-spillover-risk-genomics-research	Developmental Timing Gene Network Integration Study https://internships.nthrys.com/applied-genomics/developmental-timing-gene-network-integration-study
Copy Number Variation Population Stratification Analysis https://internships.nthrys.com/applied-genomics/copy-number-variation-population-stratification-analysis	Neural Development Neurogenomics Expression Profiling https://internships.nthrys.com/applied-genomics/neural-development-neurogenomics-expression-profiling

Applied Genomics Internship Topics and Focused Areas

Microbiome Applied Genomics Research

- Metagenomic Data Analysis and Taxonomic Classification
- Functional Annotation and Pathway Analysis
- 16S rRNA Gene Amplicon Sequencing and Community Profiling
- Metatranscriptomics and Gene Expression in Microbiomes
- Microbiome-Host Interaction Genomics

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