

Genome Annotation Internship Topics

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50
Active Categories

5
Focused Areas

Internships
Internships

Genome Annotation Internship Categories

AI Structural Genome Annotation Research https://internships.nthrys.com/genome-annotation/ai-structural-genome-annotation-research	Machine Learning Functional Annotation Research https://internships.nthrys.com/genome-annotation/machine-learning-functional-annotation
AI Non-Coding Genome Annotation Research https://internships.nthrys.com/genome-annotation/ai-non-coding-genome-annotation-research	AI Repeat Element Annotation Research https://internships.nthrys.com/genome-annotation/ai-repeat-element-annotation-research
AI Comparative Annotation Research https://internships.nthrys.com/genome-annotation/ai-comparative-annotation-research	AI Epigenome Annotation Research https://internships.nthrys.com/genome-annotation/ai-epigenome-annotation-research
AI Metagenome Annotation Research https://internships.nthrys.com/genome-annotation/ai-metagenome-annotation-research	AI Regulatory Annotation Research https://internships.nthrys.com/genome-annotation/ai-regulatory-annotation-research
AI Variant Annotation Research https://internships.nthrys.com/genome-annotation/ai-variant-annotation-research	AI Pan-Genome Annotation Research https://internships.nthrys.com/genome-annotation/ai-pan-genome-annotation-research
CRISPR Gene Target Identification Annotation https://internships.nthrys.com/genome-annotation/crispr-gene-target-identification-annotation	Microbial Pathogen Genome Feature Annotation https://internships.nthrys.com/genome-annotation/microbial-pathogen-genome-feature-annotation
Ancient DNA Sequence Annotation Methods https://internships.nthrys.com/genome-annotation/ancient-dna-sequence-annotation-methods	Splice Variant Junction Annotation Research https://internships.nthrys.com/genome-annotation/splice-variant-junction-annotation-research
Circular RNA Element Annotation Study https://internships.nthrys.com/genome-annotation/circular-rna-element-annotation-study	Promoter Region Strength Annotation Pipeline https://internships.nthrys.com/genome-annotation/promoter-region-strength-annotation-pipeline
Plant Secondary Metabolite Gene Cluster Annotation https://internships.nthrys.com/genome-annotation/plant-secondary-metabolite-gene-cluster-annotation	Non-Homologous Gene Prediction Annotation https://internships.nthrys.com/genome-annotation/non-homologous-gene-prediction-annotation
Long Non-Coding RNA Feature Annotation https://internships.nthrys.com/genome-annotation/long-non-coding-rna-feature-annotation	Horizontal Gene Transfer Detection Annotation https://internships.nthrys.com/genome-annotation/horizontal-gene-transfer-detection-annotation
Chromatin Accessibility Peak Annotation Integration https://internships.nthrys.com/genome-annotation/chromatin-accessibility-peak-annotation-integration	Disease Association SNP Annotation Database https://internships.nthrys.com/genome-annotation/disease-association-snp-annotation-database
Transposable Element Age Dating Annotation https://internships.nthrys.com/genome-annotation/transposable-element-age-dating-annotation	Protein Domain Architecture Prediction Annotation https://internships.nthrys.com/genome-annotation/protein-domain-architecture-prediction-annotation
Cancer Driver Mutation Annotation Framework https://internships.nthrys.com/genome-annotation/cancer-driver-mutation-annotation-framework	Synthetic Biology Genetic Element Annotation https://internships.nthrys.com/genome-annotation/synthetic-biology-genetic-element-annotation
miRNA Target Site Annotation Validation https://internships.nthrys.com/genome-annotation/mirna-target-site-annotation-validation	Fusion Gene Breakpoint Annotation Detection https://internships.nthrys.com/genome-annotation/fusion-gene-breakpoint-annotation-detection
Genomic Structural Variation Annotation Methods https://internships.nthrys.com/genome-annotation/genomic-structural-variation-annotation-methods	Enhancer Activity Prediction Annotation Model https://internships.nthrys.com/genome-annotation/enhancer-activity-prediction-annotation-model
Codon Usage Bias Annotation Optimization https://internships.nthrys.com/genome-annotation/codon-usage-bias-annotation-optimization	Immunoglobulin V Region Annotation Pipeline https://internships.nthrys.com/genome-annotation/immunoglobulin-v-region-annotation-pipeline
Organelle Genome Annotation Integration Study https://internships.nthrys.com/genome-annotation/organelle-genome-annotation-integration-study	Pseudogene Functional Annotation Classification https://internships.nthrys.com/genome-annotation/pseudogene-functional-annotation-classification
Pharmacogenomics Variant Effect Annotation https://internships.nthrys.com/genome-annotation/pharmacogenomics-variant-effect-annotation	Signal Peptide Secretory Pathway Annotation https://internships.nthrys.com/genome-annotation/signal-peptide-secretory-pathway-annotation

Telomere Repeat Structure Annotation Analysis https://internships.nthrys.com/genome-annotation/telomere-repeat-structure-annotation-analysis	RNA Modification Site Prediction Annotation https://internships.nthrys.com/genome-annotation/rna-modification-site-prediction-annotation
Orphan Gene Function Discovery Annotation https://internships.nthrys.com/genome-annotation/orphan-gene-function-discovery-annotation	Recombination Hotspot Annotation Mapping https://internships.nthrys.com/genome-annotation/recombination-hotspot-annotation-mapping
Mobile Genetic Element Annotation Dynamics https://internships.nthrys.com/genome-annotation/mobile-genetic-element-annotation-dynamics	Tissue-Specific Isoform Annotation Expression https://internships.nthrys.com/genome-annotation/tissue-specific-isoform-annotation-expression
Somatic Hypermutation Hotspot Annotation Research https://internships.nthrys.com/genome-annotation/somatic-hypermutation-hotspot-annotation-research	Prion Protein Domain Annotation Validation https://internships.nthrys.com/genome-annotation/prion-protein-domain-annotation-validation
Centromeric Repeat Variant Annotation Typing https://internships.nthrys.com/genome-annotation/centromeric-repeat-variant-annotation-typing	Glycosylation Site Prediction Annotation Model https://internships.nthrys.com/genome-annotation/glycosylation-site-prediction-annotation-model
Pathogenic Mutation Burden Annotation Scoring https://internships.nthrys.com/genome-annotation/pathogenic-mutation-burden-annotation-scoring	CpG Island Methylation Pattern Annotation Study https://internships.nthrys.com/genome-annotation/cpg-island-methylation-pattern-annotation-study
Intrinsically Disordered Region Annotation Analysis https://internships.nthrys.com/genome-annotation/intrinsically-disordered-region-annotation-analysis	Species-Specific Gene Loss Annotation Tracking https://internships.nthrys.com/genome-annotation/species-specific-gene-loss-annotation-tracking

Genome Annotation Internship Topics and Focused Areas

Long Non-Coding RNA Feature Annotation

- lncRNA Secondary Structure Prediction and Validation
- Comparative lncRNA Annotation Across Species
- lncRNA-Protein Interaction Site Mapping
- Quality Assessment and Curation of lncRNA Annotations
- Context-Specific lncRNA Expression and Localization Annotation

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