

Transcriptomics Internship Topics

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50
Active Categories

15
Focused Areas

Internships
Internships

Transcriptomics Internship Categories

AI Bulk RNA-seq Analysis Research https://internships.nthrys.com/transcriptomics/ai-bulk-rna-seq-analysis-research	Machine Learning Single-Cell Transcriptomics Research https://internships.nthrys.com/transcriptomics/machine-learning-single-cell-transcriptomics
AI Spatial Transcriptomics Research https://internships.nthrys.com/transcriptomics/ai-spatial-transcriptomics-research	AI Alternative Splicing Transcriptomics Research https://internships.nthrys.com/transcriptomics/ai-alternative-splicing-transcriptomics
AI Long-Read Transcriptomics Research https://internships.nthrys.com/transcriptomics/ai-long-read-transcriptomics-res	AI Metatranscriptomics Research https://internships.nthrys.com/transcriptomics/ai-metatranscriptomics-research
AI Epitranscriptomics Research https://internships.nthrys.com/transcriptomics/ai-epitranscriptomics-research	AI Cancer Transcriptomics Research https://internships.nthrys.com/transcriptomics/ai-cancer-transcriptomics-research
AI Plant Transcriptomics Research https://internships.nthrys.com/transcriptomics/ai-plant-transcriptomics-research	AI Immune Transcriptomics Research https://internships.nthrys.com/transcriptomics/ai-immune-transcriptomics-research
Developmental Stage Transcriptome Profiling https://internships.nthrys.com/transcriptomics/developmental-stage-transcriptome-profiling	Disease Biomarker Discovery Through Transcriptomics https://internships.nthrys.com/transcriptomics/disease-biomarker-discovery-transcriptomics
Tissue-Specific Transcriptome Characterization https://internships.nthrys.com/transcriptomics/tissue-specific-transcriptome-characterization	Environmental Stress Response Transcriptomics https://internships.nthrys.com/transcriptomics/environmental-stress-response-transcriptomics
Gene Co-Expression Network Analysis Research https://internships.nthrys.com/transcriptomics/gene-co-expression-network-analysis	Circadian Rhythm Transcriptomics Research https://internships.nthrys.com/transcriptomics/circadian-rhythm-transcriptomics
Microorganism Transcriptomics Field Study https://internships.nthrys.com/transcriptomics/microorganism-transcriptomics-field	Drug Response Transcriptomics Laboratory Research https://internships.nthrys.com/transcriptomics/drug-response-transcriptomics-lab
Aging-Associated Transcriptome Changes https://internships.nthrys.com/transcriptomics/aging-associated-transcriptome-changes	Quality Control RNA-seq Data Pipeline https://internships.nthrys.com/transcriptomics/quality-control-rna-seq-pipeline
Metabolic Pathway Transcriptome Mapping https://internships.nthrys.com/transcriptomics/metabolic-pathway-transcriptome-mapping	Pathogen-Host Interaction Transcriptomics https://internships.nthrys.com/transcriptomics/pathogen-host-interaction-transcriptomics
Non-Coding RNA Functional Analysis https://internships.nthrys.com/transcriptomics/non-coding-rna-functional-analysis	Comparative Transcriptomics Species Study https://internships.nthrys.com/transcriptomics/comparative-transcriptomics-species
Transcriptome Assembly De Novo Research https://internships.nthrys.com/transcriptomics/transcriptome-assembly-de-novo	Single-Cell Type Identification and Characterization https://internships.nthrys.com/transcriptomics/single-cell-type-identification
Splice Variant Quantification Methods https://internships.nthrys.com/transcriptomics/splice-variant-quantification	Environmental Microbiome Transcriptomics https://internships.nthrys.com/transcriptomics/environmental-microbiome-transcriptomics
Hormone-Responsive Gene Expression https://internships.nthrys.com/transcriptomics/hormone-responsive-gene-expression	Transcription Factor Binding Site Analysis https://internships.nthrys.com/transcriptomics/transcription-factor-binding-analysis
Cell Cycle Phase Transcriptome Dynamics https://internships.nthrys.com/transcriptomics/cell-cycle-phase-transcriptome	Dose-Response Transcriptomic Analysis https://internships.nthrys.com/transcriptomics/dose-response-transcriptomic-analysis

Phenotype-Genotype Transcriptome Correlation https://internships.nthrys.com/transcriptomics/phenotype-genotype-transcriptome-correlation	Biofuel Production Strain Optimization https://internships.nthrys.com/transcriptomics/biofuel-production-strain-optimization
Cross-Tissue Regulatory Network Analysis https://internships.nthrys.com/transcriptomics/cross-tissue-regulatory-network	Nutrient Deficiency Transcriptome Response https://internships.nthrys.com/transcriptomics/nutrient-deficiency-transcriptome
Chromatin State Transcriptome Integration https://internships.nthrys.com/transcriptomics/chromatin-state-transcriptome-integration	Protein Translation Efficiency Prediction https://internships.nthrys.com/transcriptomics/protein-translation-efficiency-prediction
Organoid Development Transcriptomics https://internships.nthrys.com/transcriptomics/organoid-development-transcriptomics	Symbiotic Interaction Dual Transcriptomics https://internships.nthrys.com/transcriptomics/symbiotic-interaction-dual-transcriptomics
Transposable Element Activity Profiling https://internships.nthrys.com/transcriptomics/transposable-element-activity-profiling	Clinical Sample Stratification Analysis https://internships.nthrys.com/transcriptomics/clinical-sample-stratification
Bacterial Virulence Factor Expression https://internships.nthrys.com/transcriptomics/bacterial-virulence-factor-expression	Neuronal Differentiation Transcriptomics https://internships.nthrys.com/transcriptomics/neuronal-differentiation-transcriptomics
RNA Stability and Decay Rate Analysis https://internships.nthrys.com/transcriptomics/ma-stability-decay-rate-analysis	Fermentation Process Transcriptomics https://internships.nthrys.com/transcriptomics/fermentation-process-transcriptomics
Immune Cell Subset Transcriptome Profiling https://internships.nthrys.com/transcriptomics/immune-cell-subset-profiling	Mutation Impact on Gene Expression https://internships.nthrys.com/transcriptomics/mutation-impact-gene-expression
Synthetic Biology Circuit Transcriptomics https://internships.nthrys.com/transcriptomics/synthetic-biology-circuit-transcriptomics	Time-Series Transcriptome Analysis Methods https://internships.nthrys.com/transcriptomics/time-series-transcriptome-analysis

Transcriptomics Internship Topics and Focused Areas

AI Cancer Transcriptomics Research

- Gene Expression Profiling in Tumor Heterogeneity
- Machine Learning for Cancer Subtype Classification
- Pathway Analysis and Functional Annotation of Oncogenic Signatures
- Single-Cell Transcriptomics Data Processing and Analysis
- Biomarker Discovery and Validation for Cancer Prognosis

AI Immune Transcriptomics Research

- Single-Cell RNA-Seq Analysis of Immune Cell Populations
- Machine Learning Models for Immune Response Prediction
- Gene Regulatory Network Analysis in Immune Development
- Transcriptomic Biomarker Discovery for Infection and Inflammation
- Deep Learning Applications for Immune Transcriptomics Data Integration

Neuronal Differentiation Transcriptomics

- Single-Cell RNA-Seq Analysis of Neural Progenitor Differentiation
- Temporal Gene Expression Profiling in Neurogenesis
- Transcription Factor Network Reconstruction in Neural Differentiation
- Non-Coding RNA Profiling During Neuronal Development
- Comparative Transcriptomics of Differentiation Protocols and Neural Subtypes

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