

Molecular Pathology Internship Topics

This PDF is generated dynamically from the current NTHRYS ASCEND database for **Molecular Pathology**.

Source page: <https://www.nthrys.com/molecular-pathology-internship-topics.html>

50
Active Categories

5
Focused Areas

Internships
Internships

Molecular Pathology Internship Categories

AI Digital Molecular Pathology Research https://internships.nthrys.com/molecular-pathology/ai-digital-molecular-pathology-research	Machine Learning Tissue Biomarker Research https://internships.nthrys.com/molecular-pathology/machine-learning-tissue-biomarker-research
AI Liquid Biopsy Pathology Research https://internships.nthrys.com/molecular-pathology/ai-liquid-biopsy-pathology-research	AI Cancer Molecular Pathology Research https://internships.nthrys.com/molecular-pathology/ai-cancer-molecular-pathology-research
AI Infectious Disease Pathology Research https://internships.nthrys.com/molecular-pathology/ai-infectious-disease-pathology-research	AI Hereditary Disease Pathology Research https://internships.nthrys.com/molecular-pathology/ai-hereditary-disease-pathology-research
AI Epigenetic Pathology Research https://internships.nthrys.com/molecular-pathology/ai-epigenetic-pathology-research	AI Spatial Molecular Pathology Research https://internships.nthrys.com/molecular-pathology/ai-spatial-molecular-pathology-research
AI Inflammatory Pathology Research https://internships.nthrys.com/molecular-pathology/ai-inflammatory-pathology-research	AI Companion Diagnostics Pathology Research https://internships.nthrys.com/molecular-pathology/ai-companion-diagnostics-pathology-research
Next-Generation Sequencing Variant Calling Pipeline Development https://internships.nthrys.com/molecular-pathology/ngs-variant-calling-pipeline-development	Immunohistochemistry Quantification and Image Analysis https://internships.nthrys.com/molecular-pathology/immunohistochemistry-quantification-image-analysis
Copy Number Variation Detection Research https://internships.nthrys.com/molecular-pathology/copy-number-variation-detection-research	Tumor Mutational Burden Assessment Methods https://internships.nthrys.com/molecular-pathology/tumor-mutational-burden-assessment-methods
MicroRNA Expression Profiling and Validation https://internships.nthrys.com/molecular-pathology/microrna-expression-profiling-validation	Circulating Tumor Cell Isolation and Characterization https://internships.nthrys.com/molecular-pathology/circulating-tumor-cell-isolation-characterization
Chromosomal Rearrangement FISH Probe Development https://internships.nthrys.com/molecular-pathology/chromosomal-rearrangement-fish-probe-development	Gene Fusion Detection Bioinformatics Pipeline https://internships.nthrys.com/molecular-pathology/gene-fusion-detection-bioinformatics-pipeline
Methylation Analysis and Epigenetic Biomarker Discovery https://internships.nthrys.com/molecular-pathology/methylation-analysis-epigenetic-biomarker-discovery	Digital Pathology Whole Slide Image Analysis https://internships.nthrys.com/molecular-pathology/digital-pathology-whole-slide-image-analysis
Microbial 16S rRNA Gene Sequencing Analysis https://internships.nthrys.com/molecular-pathology/microbial-16s-rna-sequencing-analysis	Pathogen Detection Multiplexing Assay Development https://internships.nthrys.com/molecular-pathology/pathogen-detection-multiplexing-assay-development
Quality Assurance Molecular Testing Protocols https://internships.nthrys.com/molecular-pathology/quality-assurance-molecular-testing-protocols	Exome Sequencing Data Interpretation and Reporting https://internships.nthrys.com/molecular-pathology/exome-sequencing-data-interpretation-reporting
Protein Biomarker Mass Spectrometry Analysis https://internships.nthrys.com/molecular-pathology/protein-biomarker-mass-spectrometry-analysis	Minimal Residual Disease Detection Methods https://internships.nthrys.com/molecular-pathology/minimal-residual-disease-detection-methods
RNA-Sequencing Transcriptome Analysis Pipeline https://internships.nthrys.com/molecular-pathology/ma-sequencing-transcriptome-analysis-pipeline	Organoid Development Molecular Profiling Studies https://internships.nthrys.com/molecular-pathology/organoid-development-molecular-profiling-studies
Pathogenic Variant Classification and Curation https://internships.nthrys.com/molecular-pathology/pathogenic-variant-classification-curation	Single-Cell RNA Sequencing Data Processing https://internships.nthrys.com/molecular-pathology/single-cell-rna-sequencing-data-processing
Immunophenotyping Flow Cytometry Panel Design https://internships.nthrys.com/molecular-pathology/immunophenotyping-flow-cytometry-panel-design	Laboratory Information System Data Integration https://internships.nthrys.com/molecular-pathology/laboratory-information-system-data-integration
Quantitative Real-Time PCR Assay Development https://internships.nthrys.com/molecular-pathology/quantitative-real-time-pcr-assay-development	Comparative Genomic Hybridization Array Analysis https://internships.nthrys.com/molecular-pathology/comparative-genomic-hybridization-array-analysis
Tissue Microarray Construction and Analysis https://internships.nthrys.com/molecular-pathology/tissue-microarray-construction-analysis	Pharmacogenomics Clinical Testing Implementation https://internships.nthrys.com/molecular-pathology/pharmacogenomics-clinical-testing-implementation

Cell-Free DNA Fragmentation Pattern Analysis https://internships.nthrys.com/molecular-pathology/cell-free-dna-fragmentation-pattern-analysis	Stain Normalization Digital Pathology Research https://internships.nthrys.com/molecular-pathology/stain-normalization-digital-pathology-research
Mutational Signature Analysis and Characterization https://internships.nthrys.com/molecular-pathology/mutational-signature-analysis-characterization	Biobank Sample Processing and Standardization https://internships.nthrys.com/molecular-pathology/biobank-sample-processing-standardization
High-Throughput Screening Genomic Data Analysis https://internships.nthrys.com/molecular-pathology/high-throughput-screening-genomic-data-analysis	Enzyme-Linked Immunosorbent Assay Development https://internships.nthrys.com/molecular-pathology/enzyme-linked-immunosorbent-assay-development
Thrombophilia Molecular Testing Panel Research https://internships.nthrys.com/molecular-pathology/thrombophilia-molecular-testing-panel-research	Prenatal Genetic Screening and Non-Invasive Testing https://internships.nthrys.com/molecular-pathology/prenatal-genetic-screening-non-invasive-testing
Bacterial Resistance Gene Detection and Profiling https://internships.nthrys.com/molecular-pathology/bacterial-resistance-gene-detection-profiling	Histological Image Feature Extraction Machine Learning https://internships.nthrys.com/molecular-pathology/histological-image-feature-extraction-machine-learning
HLA Typing Next-Generation Sequencing Implementation https://internships.nthrys.com/molecular-pathology/hla-typing-next-generation-sequencing-implementation	Clonality Assessment Molecular Diagnostic Testing https://internships.nthrys.com/molecular-pathology/clonality-assessment-molecular-diagnostic-testing
Proteomic Profiling Biomarker Validation Studies https://internships.nthrys.com/molecular-pathology/proteomic-profiling-biomarker-validation-studies	Metagenomics Pathogen Discovery Research https://internships.nthrys.com/molecular-pathology/metagenomics-pathogen-discovery-research

Molecular Pathology Internship Topics and Focused Areas

Methylation Analysis and Epigenetic Biomarker Discovery

- DNA Methylation Profiling in Cancer Subtypes
- CpG Island Dynamics and Gene Silencing
- Liquid Biopsy Methylation Biomarkers for Disease Detection
- Histone Modification Mapping and Chromatin Remodeling
- Epigenetic Clock Development for Tissue Aging and Pathology

Generated on demand by NTHRYS. This PDF is not stored on the server; it is streamed directly to the browser from the current database content.