

Immunoinformatics Internship Topics

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50
Active Categories

10
Focused Areas

Internships
Internships

Immunoinformatics Internship Categories

AI Epitope Prediction & Mapping Research https://internships.nthrys.com/immunoinformatics/ai-epitope-prediction-mapping-research	Machine Learning MHC-Peptide Binding Research https://internships.nthrys.com/immunoinformatics/machine-learning-mhc-peptide-binding
AI Antibody Structure Prediction Research https://internships.nthrys.com/immunoinformatics/ai-antibody-structure-prediction-research	AI Immune Repertoire Analysis Research https://internships.nthrys.com/immunoinformatics/ai-immune-repertoire-analysis-research
AI Immunogenicity Prediction Research https://internships.nthrys.com/immunoinformatics/ai-immunogenicity-prediction-research	AI Vaccine Target Immunoinformatics Research https://internships.nthrys.com/immunoinformatics/ai-vaccine-target-immunoinformatics
AI Autoimmune Immunoinformatics Research https://internships.nthrys.com/immunoinformatics/ai-autoimmune-immunoinformatics-research	AI T-Cell Receptor Modeling Research https://internships.nthrys.com/immunoinformatics/ai-t-cell-receptor-modeling-research
AI Systems Immunology Informatics Research https://internships.nthrys.com/immunoinformatics/ai-systems-immunology-informatics-research	AI Neoantigen Prediction Research https://internships.nthrys.com/immunoinformatics/ai-neoantigen-prediction-research
B-Cell Epitope Prediction Computational Pipeline https://internships.nthrys.com/immunoinformatics/b-cell-epitope-prediction-computational-pipeline	HLA Allotype Classification Deep Learning https://internships.nthrys.com/immunoinformatics/hla-allotype-classification-deep-learning
Immunoproteomic Data Integration Analysis https://internships.nthrys.com/immunoinformatics/immunoproteomic-data-integration-analysis	Cancer Immunotherapy Response Biomarker Discovery https://internships.nthrys.com/immunoinformatics/cancer-immunotherapy-response-biomarker-discovery
Pathogen-Derived Epitope Database Development https://internships.nthrys.com/immunoinformatics/pathogen-derived-epitope-database-development	TCR-pMHC Interaction Molecular Docking https://internships.nthrys.com/immunoinformatics/tdcr-pmhc-interaction-molecular-docking
Single-Cell Immunogenomics Pipeline Development https://internships.nthrys.com/immunoinformatics/single-cell-immunogenomics-pipeline-development	Viral Immune Escape Mutation Analysis https://internships.nthrys.com/immunoinformatics/viral-immune-escape-mutation-analysis
Allergy Risk Prediction Machine Learning Model https://internships.nthrys.com/immunoinformatics/allergy-risk-prediction-machine-learning-model	Cytokine Signaling Network Reconstruction https://internships.nthrys.com/immunoinformatics/cytokine-signaling-network-reconstruction
Immunological Data Mining Large Datasets https://internships.nthrys.com/immunoinformatics/immunological-data-mining-large-datasets	Protein Structure-Function Immune Prediction https://internships.nthrys.com/immunoinformatics/protein-structure-function-immune-prediction
MicroRNA Immune Regulation Bioinformatics https://internships.nthrys.com/immunoinformatics/microma-immune-regulation-bioinformatics	Vaccine Adjuvant Immunoinformatic Screening https://internships.nthrys.com/immunoinformatics/vaccine-adjuvant-immunoinformatic-screening
Cross-Reactive Epitope Identification Algorithm https://internships.nthrys.com/immunoinformatics/cross-reactive-epitope-identification-algorithm	Immune Checkpoint Ligand-Receptor Modeling https://internships.nthrys.com/immunoinformatics/immune-checkpoint-ligand-receptor-modeling
Population-Level Immunogenetic Diversity Study https://internships.nthrys.com/immunoinformatics/population-level-immunogenetic-diversity-study	Drug-MHC Binding Prediction Pipeline https://internships.nthrys.com/immunoinformatics/drug-mhc-binding-prediction-pipeline
Immune Cell Type Classification Neural Network https://internships.nthrys.com/immunoinformatics/immune-cell-type-classification-neural-network	Host-Microbiota Immune Interaction Network https://internships.nthrys.com/immunoinformatics/host-microbiota-immune-interaction-network
Immunological Time-Series Longitudinal Analysis https://internships.nthrys.com/immunoinformatics/immunological-time-series-longitudinal-analysis	Antigen Processing Pathway Prediction Tool https://internships.nthrys.com/immunoinformatics/antigen-processing-pathway-prediction-tool
Immunotherapy Combination Efficacy Prediction https://internships.nthrys.com/immunoinformatics/immunotherapy-combination-efficacy-prediction	Germline Antibody Repertoire Phylogenetics https://internships.nthrys.com/immunoinformatics/germline-antibody-repertoire-phylogenetics
Immunological Polymorphism Functional Annotation https://internships.nthrys.com/immunoinformatics/immunological-polymorphism-functional-annotation	Tissue-Resident Immune Cell Prediction Model https://internships.nthrys.com/immunoinformatics/tissue-resident-immune-cell-prediction-model

Infectious Disease Outbreak Immune Profiling https://internships.nthrys.com/immunoinformatics/infectious-disease-outbreak-immune-profiling	Immunogenicity Assessment Predictive Algorithm https://internships.nthrys.com/immunoinformatics/immunogenicity-assessment-predictive-algorithm
Transplant Rejection Risk Immunoinformatics https://internships.nthrys.com/immunoinformatics/transplant-rejection-risk-immunoinformatics	Cytotoxic T-Lymphocyte Epitope Mapping https://internships.nthrys.com/immunoinformatics/cytotoxic-t-lymphocyte-epitope-mapping
Immune Tolerance Biomarker Discovery Pipeline https://internships.nthrys.com/immunoinformatics/immune-tolerance-biomarker-discovery-pipeline	Antibody Affinity Maturation Dynamics Model https://internships.nthrys.com/immunoinformatics/antibody-affinity-maturation-dynamics-model
Immune Response Temporal Pattern Recognition https://internships.nthrys.com/immunoinformatics/immune-response-temporal-pattern-recognition	Immunological Network Module Detection Analysis https://internships.nthrys.com/immunoinformatics/immunological-network-module-detection-analysis
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Multi-Epitope Vaccine Immunoinformatic Design https://internships.nthrys.com/immunoinformatics/multi-epitope-vaccine-immunoinformatic-design	Inflammatory Biomarker Signature Discovery https://internships.nthrys.com/immunoinformatics/inflammatory-biomarker-signature-discovery
Immune Evasion Strategy Computational Analysis https://internships.nthrys.com/immunoinformatics/immune-evasion-strategy-computational-analysis	Personalized Immunotherapy Response Stratification https://internships.nthrys.com/immunoinformatics/personalized-immunotherapy-response-stratification

Immunoinformatics Internship Topics and Focused Areas

AI Epitope Prediction & Mapping Research

- Machine Learning Model Development for B-Cell Epitope Prediction
- Deep Learning Architecture Implementation for T-Cell MHC Binding Prediction
- Immunogenicity Assessment and Epitope Validation Pipeline Development
- Multi-Pathogen Epitope Database Curation and Integration
- Structure-Based Epitope Prediction Using Protein Modeling and Molecular Docking

AI Immunogenicity Prediction Research

- Machine Learning Model Development for MHC-Peptide Binding Prediction
- Deep Learning Architectures for T-Cell Epitope Identification
- Immunogenicity Risk Assessment Pipeline Development
- B-Cell Epitope Prediction Using Sequence and Structural Analysis
- Cross-Reactive Epitope Discovery and Immunological Impact Assessment

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