

Experimental Biotechnology Internship Topics

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50
Active Categories

10
Focused Areas

Internships
Internships

Experimental Biotechnology Internship Categories

AI High-Throughput Experimental Biotech Research https://internships.nthrys.com/experimental-biotechnology/ai-high-throughput-experimental-biotech	Machine Learning Experimental Design Research https://internships.nthrys.com/experimental-biotechnology/machine-learning-experimental-design-research
AI CRISPR Experimental Biotech Research https://internships.nthrys.com/experimental-biotechnology/ai-crispr-experimental-biotech-research	AI Cell-Free Experimental Biotechnology Research https://internships.nthrys.com/experimental-biotechnology/ai-cell-free-experimental-biotechnology
AI Self-Driving Lab Experimental Research https://internships.nthrys.com/experimental-biotechnology/ai-self-driving-lab-experimental-research	AI Synthetic Genome Experiment Research https://internships.nthrys.com/experimental-biotechnology/ai-synthetic-genome-experiment-research
AI Single-Molecule Biotech Experiment Research https://internships.nthrys.com/experimental-biotechnology/ai-single-molecule-biotech-experiment	AI Organ-on-Chip Experimental Research https://internships.nthrys.com/experimental-biotechnology/ai-organ-on-chip-experimental-research
AI Directed Evolution Experimental Research https://internships.nthrys.com/experimental-biotechnology/ai-directed-evolution-experimental-research	AI Protein Engineering Experimental Research https://internships.nthrys.com/experimental-biotechnology/ai-protein-engineering-experimental-research
High-Throughput Screening Bioactive Compound Research https://internships.nthrys.com/experimental-biotechnology/high-throughput-screening-bioactive-compound-research	Microfluidics Platform Development Experimental Research https://internships.nthrys.com/experimental-biotechnology/microfluidics-platform-development-experimental-research
Fermentation Optimization Bioprocess Research https://internships.nthrys.com/experimental-biotechnology/fermentation-optimization-bioprocess-research	Metabolic Engineering Strain Development Research https://internships.nthrys.com/experimental-biotechnology/metabolic-engineering-strain-development-research
Biopolymer Synthesis and Characterization Research https://internships.nthrys.com/experimental-biotechnology/biopolymer-synthesis-and-characterization-research	Enzyme Kinetics and Catalysis Experimental Study https://internships.nthrys.com/experimental-biotechnology/enzyme-kinetics-and-catalysis-experimental-study
Tissue Engineering Scaffold Design Research https://internships.nthrys.com/experimental-biotechnology/tissue-engineering-scaffold-design-research	Biomarker Discovery Experimental Validation Research https://internships.nthrys.com/experimental-biotechnology/biomarker-discovery-experimental-validation-research
Biopharmaceutical Formulation Optimization Research https://internships.nthrys.com/experimental-biotechnology/biopharmaceutical-formulation-optimization-research	Biosensor Development and Testing Research https://internships.nthrys.com/experimental-biotechnology/biosensor-development-and-testing-research
Microbial Community Analysis Experimental Study https://internships.nthrys.com/experimental-biotechnology/microbial-community-analysis-experimental-study	Immunology Assay Development and Optimization https://internships.nthrys.com/experimental-biotechnology/immunology-assay-development-and-optimization
Biofuel Production Pathway Experimental Research https://internships.nthrys.com/experimental-biotechnology/biofuel-production-pathway-experimental-research	Cell Culture Media Formulation Research https://internships.nthrys.com/experimental-biotechnology/cell-culture-media-formulation-research
Pharmaceutical Stability Testing Protocol Research https://internships.nthrys.com/experimental-biotechnology/pharmaceutical-stability-testing-protocol-research	Plant Biotechnology Transformation Experimental Methods https://internships.nthrys.com/experimental-biotechnology/plant-biotechnology-transformation-experimental-methods
Bioreactor Scale-Up Process Development Research https://internships.nthrys.com/experimental-biotechnology/bioreactor-scale-up-process-development-research	Antibody Production and Purification Research https://internships.nthrys.com/experimental-biotechnology/antibody-production-and-purification-research
Microbial Strain Screening and Selection Research https://internships.nthrys.com/experimental-biotechnology/microbial-strain-screening-and-selection-research	Protein Expression System Optimization Research https://internships.nthrys.com/experimental-biotechnology/protein-expression-system-optimization-research
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Biosorption Material Development Research https://internships.nthrys.com/experimental-biotechnology/biosorption-material-development-research	Viral Vector Production and Characterization Research https://internships.nthrys.com/experimental-biotechnology/viral-vector-production-and-characterization-research
Yeast Display Technology Development Research https://internships.nthrys.com/experimental-biotechnology/yeast-display-technology-development-research	Bacterial Conjugation and Genetic Transfer Research https://internships.nthrys.com/experimental-biotechnology/bacterial-conjugation-and-genetic-transfer-research
Enzyme Immobilization and Reactor Design Research https://internships.nthrys.com/experimental-biotechnology/enzyme-immobilization-and-reactor-design-research	Glycoprotein Analysis and Characterization Research https://internships.nthrys.com/experimental-biotechnology/glycoprotein-analysis-and-characterization-research

Pharmaceutical Excipient Compatibility Research https://internships.nthrys.com/experimental-biotechnology/pharmaceutical-excipient-compatibility-research	Anaerobic Digestion Process Optimization Research https://internships.nthrys.com/experimental-biotechnology/anaerobic-digestion-process-optimization-research
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Enzyme Engineering Mutation and Screening Research https://internships.nthrys.com/experimental-biotechnology/enzyme-engineering-mutation-and-screening-research	Bioprocess Analytics and Monitoring Research https://internships.nthrys.com/experimental-biotechnology/bioprocess-analytics-and-monitoring-research
Fungal Biotechnology Strain Development Research https://internships.nthrys.com/experimental-biotechnology/fungal-biotechnology-strain-development-research	Phage Therapy Development Experimental Research https://internships.nthrys.com/experimental-biotechnology/phage-therapy-development-experimental-research
Bioinformatics Data Analysis Experimental Design https://internships.nthrys.com/experimental-biotechnology/bioinformatics-data-analysis-experimental-design	Enzymatic Biosynthesis Pathway Construction Research https://internships.nthrys.com/experimental-biotechnology/enzymatic-biosynthesis-pathway-construction-research

Experimental Biotechnology Internship Topics and Focused Areas

AI Organ-on-Chip Experimental Research

- Microfluidic Device Design and Fabrication
- Machine Learning Model Development for Organ Prediction
- Real-Time Data Acquisition and Sensor Integration
- Cell Culture Optimization and Tissue Engineering
- Pharmaceutical Validation and Toxicity Assessment

Bacterial Conjugation and Genetic Transfer Research

- Plasmid Engineering and Mobilization Studies
- Conjugation Efficiency Analysis and Kinetics
- Pilus and Cell-to-Cell Contact Mechanisms
- Antibiotic Resistance Gene Transfer and Tracking
- Genetic Stability and Recombination Analysis in Transconjugants

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