

Marine Biotechnology Internship Topics

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50
Active Categories

25
Focused Areas

Internships
Internships

Marine Biotechnology Internship Categories

AI Marine Natural Product Discovery Research https://internships.nthrys.com/marine-biotechnology/ai-marine-natural-product-discovery-research	Machine Learning Marine Microbe Biotechnology https://internships.nthrys.com/marine-biotechnology/machine-learning-marine-microbe-biotechnology
AI Seaweed Biotechnology Research https://internships.nthrys.com/marine-biotechnology/ai-seaweed-biotechnology-research	AI Marine Enzyme Development Research https://internships.nthrys.com/marine-biotechnology/ai-marine-enzyme-development-research
AI Marine Biopigment Research https://internships.nthrys.com/marine-biotechnology/ai-marine-biopigment-research	AI Marine Bioplastic Research https://internships.nthrys.com/marine-biotechnology/ai-marine-bioplastic-research
AI Coral-Derived Compound Research https://internships.nthrys.com/marine-biotechnology/ai-coral-derived-compound-research	AI Marine Microalgae Biotech Research https://internships.nthrys.com/marine-biotechnology/ai-marine-microalgae-biotech-research
AI Marine Collagen Biotech Research https://internships.nthrys.com/marine-biotechnology/ai-marine-collagen-biotech-research	AI Deep Sea Biotech Research https://internships.nthrys.com/marine-biotechnology/ai-deep-sea-biotech-research
Marine Probiotics Development Research https://internships.nthrys.com/marine-biotechnology/marine-probiotics-development-research	Sustainable Biorefinery Process Development https://internships.nthrys.com/marine-biotechnology/sustainable-biorefinery-process-development
Marine Immunostimulant Compound Research https://internships.nthrys.com/marine-biotechnology/marine-immunostimulant-compound-research	Blue Biotechnology Biofuel Production https://internships.nthrys.com/marine-biotechnology/blue-biotechnology-biofuel-production
Marine Bioactive Peptide Synthesis https://internships.nthrys.com/marine-biotechnology/marine-bioactive-peptide-synthesis	Extremophile Enzyme Characterization Studies https://internships.nthrys.com/marine-biotechnology/extremophile-enzyme-characterization-studies
Marine Chitosan Production Optimization https://internships.nthrys.com/marine-biotechnology/marine-chitosan-production-optimization	Sustainable Aquaculture Feed Development https://internships.nthrys.com/marine-biotechnology/sustainable-aquaculture-feed-development
Marine Microbial Metagenomics Research https://internships.nthrys.com/marine-biotechnology/marine-microbial-metagenomics-research	Biofilm Formation Prevention Research https://internships.nthrys.com/marine-biotechnology/biofilm-formation-prevention-research
Marine Antifouling Paint Biotechnology https://internships.nthrys.com/marine-biotechnology/marine-antifouling-paint-biotechnology	Sponge-Derived Pharmaceutical Screening https://internships.nthrys.com/marine-biotechnology/sponge-derived-pharmaceutical-screening
Marine Symbiosis Biotechnology Research https://internships.nthrys.com/marine-biotechnology/marine-symbiosis-biotechnology-research	Shellfish Disease Biomarker Discovery https://internships.nthrys.com/marine-biotechnology/shellfish-disease-biomarker-discovery
Marine Algal Polysaccharide Research https://internships.nthrys.com/marine-biotechnology/marine-algal-polysaccharide-research	Bioluminescent Organism Culture Work https://internships.nthrys.com/marine-biotechnology/bioluminescent-organism-culture-work
Marine Toxin Characterization Studies https://internships.nthrys.com/marine-biotechnology/marine-toxin-characterization-studies	Coral Symbiont Engineering Research https://internships.nthrys.com/marine-biotechnology/coral-symbiont-engineering-research
Marine Pharmaceutical Formulation Development https://internships.nthrys.com/marine-biotechnology/marine-pharmaceutical-formulation-development	Seagrass Meadow Biotechnology Research https://internships.nthrys.com/marine-biotechnology/seagrass-meadow-biotechnology-research
Marine Microbe Antibiotic Resistance https://internships.nthrys.com/marine-biotechnology/marine-microbe-antibiotic-resistance	Diatom Biotechnology Production Systems https://internships.nthrys.com/marine-biotechnology/diatom-biotechnology-production-systems

Marine Metabolite Pathway Engineering https://internships.nthrys.com/marine-biotechnology/marine-metabolite-pathway-engineering	Kelp Forest Ecosystem Biotechnology https://internships.nthrys.com/marine-biotechnology/kelp-forest-ecosystem-biotechnology
Marine Hormone Analogues Research https://internships.nthrys.com/marine-biotechnology/marine-hormone-analogues-research	Fish Mucus Bioactive Component Analysis https://internships.nthrys.com/marine-biotechnology/fish-mucus-bioactive-component-analysis
Marine Invertebrate Cell Culture Work https://internships.nthrys.com/marine-biotechnology/marine-invertebrate-cell-culture-work	Cyanobacterial Toxin Biodegradation https://internships.nthrys.com/marine-biotechnology/cyanobacterial-toxin-biodegradation
Marine Adhesion Protein Research https://internships.nthrys.com/marine-biotechnology/marine-adhesion-protein-research	Microplastic Biodegradation Studies https://internships.nthrys.com/marine-biotechnology/microplastic-biodegradation-studies
Marine Probiotic Strain Selection https://internships.nthrys.com/marine-biotechnology/marine-probiotic-strain-selection	Hydrothermal Vent Biotechnology Research https://internships.nthrys.com/marine-biotechnology/hydrothermal-vent-biotechnology-research
Marine Collagen Cross-linking Studies https://internships.nthrys.com/marine-biotechnology/marine-collagen-cross-linking-studies	Blue Carbon Sequestration Biotechnology https://internships.nthrys.com/marine-biotechnology/blue-carbon-sequestration-biotechnology
Marine Microbe Bioreactor Optimization https://internships.nthrys.com/marine-biotechnology/marine-microbe-bioreactor-optimization	Echinoderm Regeneration Biotechnology https://internships.nthrys.com/marine-biotechnology/echinoderm-regeneration-biotechnology
Marine Yeast Fermentation Research https://internships.nthrys.com/marine-biotechnology/marine-yeast-fermentation-research	Mollusc Shell Nacre Biomimetics https://internships.nthrys.com/marine-biotechnology/mollusc-shell-nacre-biomimetics
Marine Bioactive Lipid Extraction https://internships.nthrys.com/marine-biotechnology/marine-bioactive-lipid-extraction	Genetic Engineering of Marine Organisms https://internships.nthrys.com/marine-biotechnology/genetic-engineering-of-marine-organisms

Marine Biotechnology Internship Topics and Focused Areas

AI Marine Natural Product Discovery Research

- Machine Learning Models for Bioactive Compound Prediction
- Automated High-Throughput Screening Data Analysis
- Deep Learning for Marine Metagenomics Assembly
- Natural Language Processing for Marine Phytochemical Literature Mining
- Computer Vision for Coral and Sponge Specimen Classification

Machine Learning Marine Microbe Biotechnology

- Metagenomic Sequence Classification Using Deep Learning
- Predictive Modeling of Marine Microbe Growth Kinetics
- Bioactive Compound Discovery in Marine Microbes Using ML
- Environmental Condition Optimization for Marine Microbial Cultivation
- Antimicrobial Resistance Pattern Detection in Marine Bacterial Communities

Sustainable Biorefinery Process Development

- Algal Biomass Conversion and Extraction
- Enzymatic Hydrolysis of Marine Polysaccharides
- Waste Valorization from Seafood Processing
- Marine Bioactive Compound Isolation and Characterization
- Fermentation Engineering for Marine-Derived Substrates

Coral Symbiont Engineering Research

- Zooxanthellae Isolation and Culture Optimization

- Coral-Algal Recognition Mechanisms
- Thermal Stress Response in Coral Symbionts
- Microbial Community Analysis of Coral Holobiont
- Genetic Engineering of Heat-Resistant Symbionts

Genetic Engineering of Marine Organisms

- CRISPR-Cas9 Gene Editing in Marine Microalgae
- Transgenic Fish Development for Aquaculture Improvement
- Bioluminescent Protein Engineering in Marine Organisms
- Coral Symbiont Genetic Engineering for Stress Resilience
- Gene Functional Analysis in Marine Organisms Using RNA Interference

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