

Cancer Microbiology Internship Topics

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Active Categories

15
Focused Areas

Internships
Internships

Cancer Microbiology Internship Categories

AI Tumor Microbiome Characterization Research https://internships.nthrys.com/cancer-microbiology/ai-tumor-microbiome-characterization-research	Machine Learning Oncobiosis Mechanism Research https://internships.nthrys.com/cancer-microbiology/machine-learning-oncobiosis-mechanism-research
AI HPV & Viral Oncogenesis Research https://internships.nthrys.com/cancer-microbiology/ai-hpv-viral-oncogenesis-research	AI Helicobacter Pylori Cancer Research https://internships.nthrys.com/cancer-microbiology/ai-helicobacter-pylori-cancer-research
AI Microbiome Immunotherapy Interaction Research https://internships.nthrys.com/cancer-microbiology/ai-microbiome-immunotherapy-interaction	AI Gut Microbiome Colorectal Cancer Research https://internships.nthrys.com/cancer-microbiology/ai-gut-microbiome-colorectal-cancer-research
AI Oncolytic Virus Cancer Microbiology Research https://internships.nthrys.com/cancer-microbiology/ai-oncolytic-virus-cancer-microbiology	AI Cancer-Associated Bacteria Mechanism Research https://internships.nthrys.com/cancer-microbiology/ai-cancer-associated-bacteria-mechanism
AI Microbiome-Based Cancer Biomarker Research https://internships.nthrys.com/cancer-microbiology/ai-microbiome-based-cancer-biomarker-research	AI Microbiome Cancer Treatment Response Research https://internships.nthrys.com/cancer-microbiology/ai-microbiome-cancer-treatment-response
Bacterial Quorum Sensing Cancer Progression https://internships.nthrys.com/cancer-microbiology/bacterial-quorum-sensing-cancer-progression	Fungal Microbiota Immunosuppression Pathways https://internships.nthrys.com/cancer-microbiology/fungal-microbiota-immunosuppression-pathways
Metagenomic Sequencing Oral Cancer Microbiomes https://internships.nthrys.com/cancer-microbiology/metagenomic-sequencing-oral-cancer-microbiomes	Microbiota-Derived Metabolite Cancer Metabolism https://internships.nthrys.com/cancer-microbiology/microbiota-derived-metabolite-cancer-metabolism
Antibiotic Resistance Genes Cancer Pathogens https://internships.nthrys.com/cancer-microbiology/antibiotic-resistance-genes-cancer-pathogens	Bacterial Lipopolysaccharide Tumor Angiogenesis https://internships.nthrys.com/cancer-microbiology/bacterial-lipopolysaccharide-tumor-angiogenesis
Mycobiome Lung Cancer Development Research https://internships.nthrys.com/cancer-microbiology/mycobiome-lung-cancer-development-research	Microbial Short-Chain Fatty Acid Production https://internships.nthrys.com/cancer-microbiology/microbial-short-chain-fatty-acid-production
Virome Profiling Esophageal Cancer Patients https://internships.nthrys.com/cancer-microbiology/virome-profiling-esophageal-cancer-patients	Bacterial Biofilm Formation Chemotherapy Resistance https://internships.nthrys.com/cancer-microbiology/bacterial-biofilm-formation-chemotherapy-resistance
Microbiota Checkpoint Inhibitor Response Prediction https://internships.nthrys.com/cancer-microbiology/microbiota-checkpoint-inhibitor-response-prediction	Parasitic Infection Gastric Cancer Association https://internships.nthrys.com/cancer-microbiology/parasitic-infection-gastric-cancer-association
Microbial Virulence Factor Tumor Invasion https://internships.nthrys.com/cancer-microbiology/microbial-virulence-factor-tumor-invasion	Breast Cancer Microbiota Estrogen Metabolism https://internships.nthrys.com/cancer-microbiology/breast-cancer-microbiota-estrogen-metabolism
Anaerobic Bacteria Hypoxic Tumor Regions https://internships.nthrys.com/cancer-microbiology/anaerobic-bacteria-hypoxic-tumor-regions	Microbial Pattern Recognition Receptor Signaling https://internships.nthrys.com/cancer-microbiology/microbial-pattern-recognition-receptor-signaling
Microbial DNA Tumor Immunogenicity Enhancement https://internships.nthrys.com/cancer-microbiology/microbial-dna-tumor-immunogenicity-enhancement	Dysbiosis Colorectal Polyp Malignant Transformation https://internships.nthrys.com/cancer-microbiology/dysbiosis-colorectal-polyp-malignant-transformation
Microbial Secondary Metabolite Tumor Suppression https://internships.nthrys.com/cancer-microbiology/microbial-secondary-metabolite-tumor-suppression	Intratumoral Bacterial Spatial Distribution Mapping https://internships.nthrys.com/cancer-microbiology/intratumoral-bacterial-spatial-distribution-mapping
Microbiota-Mediated Radiotherapy Response Modulation https://internships.nthrys.com/cancer-microbiology/microbiota-mediated-radiotherapy-response-modulation	Mycobacterial Infection Bladder Cancer Research https://internships.nthrys.com/cancer-microbiology/mycobacterial-infection-bladder-cancer-research
Microbiota Metabolic Modeling Tumor Systems https://internships.nthrys.com/cancer-microbiology/microbiota-metabolic-modeling-tumor-systems	Archaea Methane Production Cancer Microenvironments https://internships.nthrys.com/cancer-microbiology/archaea-methane-production-cancer-microenvironments
Microbial Antigen Cross-Reactivity Cancer Immunity https://internships.nthrys.com/cancer-microbiology/microbial-antigen-cross-reactivity-cancer-immunity	Pancreatic Cancer Microbiota Progression Studies https://internships.nthrys.com/cancer-microbiology/pancreatic-cancer-microbiota-progression-studies

Microbial Phylogenetic Tumor Classification Methods https://internships.nthrys.com/cancer-microbiology/microbial-phylogenetic-tumor-classification-methods	Oral Streptococcus Colorectal Cancer Biomarkers https://internships.nthrys.com/cancer-microbiology/oral-streptococcus-colorectal-cancer-biomarkers
Microbial Enzyme Prodrug Activation Cancer Therapy https://internships.nthrys.com/cancer-microbiology/microbial-enzyme-prodrug-activation-cancer-therapy	Renal Cell Carcinoma Intratumoral Microbiota https://internships.nthrys.com/cancer-microbiology/renal-cell-carcinoma-intratumoral-microbiota
Microbiota-Derived Polyamines Tumor Cell Proliferation https://internships.nthrys.com/cancer-microbiology/microbiota-derived-polyamines-tumor-cell-proliferation	Ovarian Cancer Microbiota Tumor Progression Coupling https://internships.nthrys.com/cancer-microbiology/ovarian-cancer-microbiota-tumor-progression-coupling
Microbial Lipid A Inflammation Tumor Promotion https://internships.nthrys.com/cancer-microbiology/microbial-lipid-a-inflammation-tumor-promotion	Microbiota Fecal Transplantation Immunotherapy Enhancement https://internships.nthrys.com/cancer-microbiology/microbiota-fecal-transplantation-immunotherapy-enhancement
Clostridium Difficile Toxin Colorectal Adenoma https://internships.nthrys.com/cancer-microbiology/clostridium-difficile-toxin-colorectal-adenoma	Microbial Hyaluronate Deposition Tumor Stroma https://internships.nthrys.com/cancer-microbiology/microbial-hyaluronate-deposition-tumor-stroma
Prostate Cancer Urobiome Dysbiosis Mechanisms https://internships.nthrys.com/cancer-microbiology/prostate-cancer-urobiome-dysbiosis-mechanisms	Microbial Biomarker Discovery Glioblastoma Patients https://internships.nthrys.com/cancer-microbiology/microbial-biomarker-discovery-glioblastoma-patients
Bacterial Amyloid Aggregation Tumor Microenvironment https://internships.nthrys.com/cancer-microbiology/bacterial-amyloid-aggregation-tumor-microenvironment	Microbial Horizontal Gene Transfer Cancer Bacteria https://internships.nthrys.com/cancer-microbiology/microbial-horizontal-gene-transfer-cancer-bacteria

Cancer Microbiology Internship Topics and Focused Areas

AI Tumor Microbiome Characterization Research

- Microbial DNA Sequence Analysis and Taxonomic Classification
- Machine Learning Model Development for Microbiome Prediction
- Functional Metabolic Pathway Analysis of Tumor Microbes
- Integration of Multi-Omics Data for Microbiome-Cancer Phenotyping
- Deep Learning Model Optimization for Medical Image-Microbiome Correlation

AI HPV & Viral Oncogenesis Research

- HPV Genome Sequencing and Variant Classification
- Machine Learning Models for HPV-Cancer Progression Prediction
- Viral Integration Mapping and Oncogenic Driver Identification
- Immunoinformatics and HPV-Antigen Prediction Analysis
- Multi-Omics Integration in Viral Oncogenesis Studies

Microbial Biomarker Discovery Glioblastoma Patients

- Bacterial Microbiota Profiling in Glioblastoma Tissues
- Identification of Pathogenic Microbial Species as Diagnostic Biomarkers
- Microbial Metabolite Analysis and Tumor Microenvironment Interactions
- Viral and Parasitic Pathogen Detection in Glioblastoma Patients
- Antimicrobial Susceptibility Testing of Glioblastoma-Associated Microbes

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