

Molecular Cancer Research Internship

Advanced Focussed Areas for Interns in Molecular Cancer Research Internships

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- **Fundamentals of Molecular Cancer Research**
 - Introduction to Cancer Biology
 - Genetics of Cancer: Oncogenes and Tumor Suppressors
 - Cancer Cell Biology and Signal Transduction
 - Cell Cycle and Apoptosis in Cancer
 - Epigenetics and Cancer
 - Cancer Genomics and Transcriptomics
 - Mechanisms of Metastasis
 - Angiogenesis and Tumor Microenvironment
 - Applications of Molecular Biology in Cancer Research
 - Ethics and Safety in Cancer Research
- **Cancer Genomics and Precision Medicine**
 - Cancer Genomics: Mutations and Variants
 - Next-Generation Sequencing (NGS) in Cancer Research
 - Bioinformatics and Cancer Data Analysis
 - Pharmacogenomics and Drug Response
 - Biomarkers for Cancer Diagnosis and Prognosis
 - Personalized Medicine in Oncology
 - Case Studies in Cancer Genomics
 - Challenges in Translational Cancer Research
 - Future Trends in Cancer Genomics
 - Future Directions in Precision Oncology
- **Targeted Therapies and Immunotherapy**
 - Development of Targeted Cancer Therapies
 - Monoclonal Antibodies and Small Molecule Inhibitors
 - Tyrosine Kinase Inhibitors and Cancer Treatment
 - Immunotherapy: CAR-T Cells and Immune Checkpoint Inhibitors
 - Combination Therapies in Cancer Treatment
 - Drug Resistance Mechanisms in Cancer
 - Clinical Trials and Regulatory Aspects
 - Case Studies in Targeted Therapy and Immunotherapy
 - Future Trends in Cancer Immunotherapy

- Future Directions in Cancer Treatment
- **Cancer Metabolism and Tumor Microenvironment**
 - Metabolic Reprogramming in Cancer
 - Warburg Effect and Metabolic Pathways
 - Hypoxia and Tumor Microenvironment
 - Stromal Cells and Cancer-Associated Fibroblasts
 - Immune Evasion and Tumor Immunology
 - Targeting the Tumor Microenvironment
 - Biomarkers of Tumor Microenvironment
 - Therapeutic Strategies Targeting Metabolism
 - Case Studies in Tumor Microenvironment Research
 - Future Trends in Cancer Metabolism Research
- **Future Directions and Emerging Trends**
 - Innovations in Molecular Cancer Research
 - Role of Genomics and Epigenetics in Cancer
 - Emerging Applications in Cancer Diagnosis and Treatment
 - Global Trends in Cancer Research
 - Future of Cancer Research in Healthcare and Industry
 - Ethics and Regulation in Cancer Research
 - Future Research Priorities in Cancer Biology
 - Impact of Cancer Research on Society
 - Public Engagement and Education in Cancer Research
 - Integration of Cancer Research with AI and Data Science

Contact Via Whatsapp on +91-7993084748 for Fee Details