

## Molecular Oncology Internship

### Advanced Focussed Areas for Interns in Molecular Oncology Internships

[Back to All Internships](#) [Molecular Oncology Internship Fee Details](#)

- **Fundamentals of Molecular Oncology**
  - Introduction to Molecular Oncology
  - Genetic Mutations and Cancer Development
  - Oncogenes and Tumor Suppressor Genes
  - Cancer Cell Biology and Signal Transduction
  - Cell Cycle and Apoptosis in Cancer
  - Cancer Stem Cells and Tumor Microenvironment
  - Metastasis and Angiogenesis
  - Applications of Molecular Biology in Cancer Research
  - Ethics and Safety in Cancer Research
  - Future Directions in Molecular Oncology
- **Cancer Genomics and Epigenetics**
  - Cancer Genomics and Genome Sequencing
  - Epigenetic Modifications in Cancer
  - Transcriptomics and Gene Expression Profiling
  - Bioinformatics in Cancer Genomics
  - Biomarkers for Cancer Diagnosis and Prognosis
  - Personalized Medicine in Oncology
  - Case Studies in Cancer Genomics
  - Future Trends in Cancer Genomics
  - Challenges in Translational Cancer Research
  - Clinical Applications of Cancer Genomics
- **Targeted Therapies and Immunotherapy**
  - Development of Targeted Cancer Therapies
  - Monoclonal Antibodies and Biologics
  - Small Molecule Inhibitors and Kinase Inhibitors
  - Immunotherapy: CAR-T Cells and Checkpoint Inhibitors
  - Combination Therapies and Resistance Mechanisms
  - Clinical Trials and Drug Development
  - Case Studies in Targeted Therapy
  - Future Trends in Cancer Immunotherapy
  - Challenges in Personalized Oncology

- Future Directions in Cancer Treatment
- **Cancer Metabolism and Tumor Microenvironment**
  - Metabolic Reprogramming in Cancer Cells
  - Warburg Effect and Metabolic Pathways
  - Tumor Microenvironment and Immune Evasion
  - Hypoxia and Angiogenesis
  - Stromal Cells and Cancer-Associated Fibroblasts
  - 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 Oncology and Cancer Research
  - Role of Cancer Genomics in Precision Medicine
  - Emerging Applications in Cancer Diagnosis and Treatment
  - Global Trends in Cancer Research
  - Future of Molecular Oncology in Healthcare and Industry
  - Ethics and Regulation in Cancer Research
  - Future Research Priorities in Oncology
  - Impact of Cancer Research on Society
  - Public Engagement and Education in Cancer Research
  - Integration of Oncology Research with AI and Data Science

**Contact Via Whatsapp on +91-7993084748 for Fee Details**