Molecular Oncology Internship

Below given focused areas are offered under Molecular Oncology Internships based on selected duration:

HER2/neu Targeted Therapy

Targeting the HER2 protein in breast cancer cells.

2.

BRCA Gene Mutation Studies

Investigating genetic predisposition in breast cancer.

4.

Lung Cancer

5.

ALK Gene Rearrangement

Investigating ALK gene rearrangement in non-small cell lung cancer.

7.

Lung Cancer Stem Cell Research

Studying cancer stem cells for targeted therapy.

KRAS Mutation Analysis

Investigating KRAS mutations in colorectal cancer.

10.

BRAF Gene Mutation Studies

Analyzing BRAF mutations in colorectal cancer cells.

12.

Prostate Cancer

13.

Androgen Receptor Analysis

Studying androgen receptor signaling in prostate cancer.

15.

Prostate Cancer Metastasis Studies

Understanding the mechanisms of metastasis in prostate cancer.

BRCA Gene Mutations

Investigating BRCA1 and BRCA2 mutations in ovarian cancer.

18.

PARP Inhibitor Trials

Testing PARP inhibitors for ovarian cancer therapy.

20.

Liver Cancer

21.

Liver Cancer Immunotherapy

Testing immunotherapeutic approaches for liver cancer.

23.

Liver Cancer Metabolism Studies

Studying metabolic pathways in liver cancer cells.

KRAS Mutation Analysis

Investigating KRAS mutations in pancreatic cancer.

26.

Pancreatic Cancer Microenvironment Research

Studying the tumor microenvironment for therapeutic insights.

28.

Brain Cancer

29.

Blood-Brain Barrier Penetrating Drugs

Developing drugs that can cross the blood-brain barrier.

31.

Brain Tumor Microenvironment Studies

Understanding the tumor microenvironment for therapeutic interventions.

BRAF Mutation Analysis

Investigating BRAF mutations in melanoma.

34.

Melanoma Metastasis Studies

Understanding the mechanisms of metastasis in melanoma.

36.

Kidney Cancer

37.

mTOR Inhibitor Trials

Testing mTOR inhibitors for kidney cancer therapy.

39.

Targeted Therapy against Kidney-Specific Proteins

Targeting kidney-specific proteins for therapy.

Chromosomal Translocations

Studying abnormal chromosomal arrangements in leukemia.

42.

CAR-T Cell Therapy Trials

Testing CAR-T cell therapy for leukemia and lymphomas.

44.

Thyroid Cancer

45.

Thyroid Hormone Receptor Analysis

Studying hormone receptor signaling in thyroid cancer.

47.

Targeted Therapy against Thyroid-Specific Proteins

Targeting thyroid-specific proteins for therapy.

p53 Mutation Analysis

Investigating p53 mutations in osteosarcoma.

50.

Targeted Therapy against Osteosarcoma-Specific Proteins

Targeting osteosarcoma-specific proteins for therapy.

52.