

Cancer Informatics Shared Resource (CISR) Services

Services

- Genetics/Genomics (bulk and single-cell)
- Gene expression (RNA-seq bulk and single-cell)
- Chromatin Immunoprecipitation (ChIP-seq)
- Proteomics
- DNA methylation
- Flow cytometry
- Microbiome data
- Data integration of single-cell omics data including single cell gene expression, single-cell feature barcoding, single-cell TCR repertoire, single-cell ATAC-seq, Visium (spatial transcriptomics)
- Data integration of omics, clinical data, imaging data, etc.
- Image analysis
- Clinical data
- Laboratory and computational biology software tools
- EMR data mining (including NLP)
- Data visualization
- Machine learning predictions
- Software and new algorithm development