



50th ACBICON 2024

Golden Jubilee Conference of Association of Clinical Biochemists of India

4th - 7th December, 2024 | Hotel Mount View, Chandigarh

Organized by: Department of Biochemistry, PGIMER Chandigarh.

Theme: From Laboratory to Life: Recent Advances in Basic and Medical Research for Global Healthcare



Bioinformatics approaches for Transcriptome Data Analysis

1. Screening datasets- Sources NCBI GEO/TCGA/Array Express
2. mRNA/miRNA/lnc RNA
3. R based / GUI based
4. DEGs -Pathway/Gene ontologies /Function enrichment/ Pathway enrichment.
5. Tools for Enrichment
6. Transcript profiling

System Requirement:

All trainees must bring their laptops.

All must download R studio after downloading R Gui.

Note -For Downloading R and R studio follow the steps in provided PDF document.

Time	Session No	Lecture No	Session Name
10:00-11:00	Session 1	Lecture 1	Unravelling the Molecular Treasure: The Power of Bioinformatics
11:00-11:30		Tea Break	
11:30-13:00		Lecture 2	Unravelling the Molecular Treasure: The Power of Bioinformatics
	Treasure Hunt Session	Practical Demo- Session With hands on training.	
13:00-14:00	Session 2	Lecture 3	Unravelling the Molecular Treasure: The Power of Bioinformatics Treasure Hunt Session -Continued
14:00-16:00	Hands on training session		Building Queries and Performing Data analysis.
16:00-17:00	Queries resolution for Data Analytics.		

