



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 Media Research for Global Healthcare



Bioinformatics approaches for Transcriptome Data Analysis

Target audience: Masters' students in life sciences, Research scholars, Ph.D. students in Life sciences, Residents, Faculty.

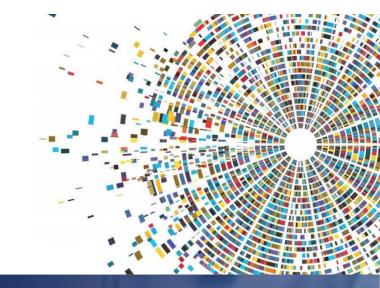
Highlights:

- Screening datasets- Sources NCBI GEO/TCGA/Array Express
- Introduction to coding /noncoding RNA Databases
- R based / GUI based analysis
- DEGs evaluation, Transcript profiling
- Tools for Enrichment
- Pathway/Gene ontologies/Function enrichment/Pathway enrichment
- Survival Analysis

Faculty/ Convenor

Dr As CS CI

Dr. Veena Puri Associate Professor CSBB, Panjab University, Chandigarh.



Getting Started with R Studio: From Download to Data Analysis



System Requirements

- All trainees must bring their laptops.
- All must download R Studio after downloading R Gui.
- Links are provided hereby:
- R studio download <u>https://posit.co/download/rstudio-desktop/</u>
- R Gui- <u>https://cran.rstudio.com/</u>



RGUI (R Graphical User Interface)

Downloading R RGui (64-bit) File Edit Packages Windows Help **₽**₽₩**₽** - • X R Console R version 4.3.3 (2024-02-29 ucrt) -- "Angel Food Cake" Download the latest version from the Copyright (C) 2024 The R Foundation for Statistical Computing Platform: x86 64-w64-mingw32/x64 (64-bit) Comprehensive R Archive Network (CRAN) at R is free software and comes with ABSOLUTELY NO WARRANTY. You are welcome to redistribute it under certain conditions. R Untitled - R Editor https://cran.r-project.org/ Type 'license()' or 'licence()' for distribution details. Natural language support but running in an English locale R is a collaborative project with many contributors. Type 'contributors()' for more information and 'citation()' on how to cite R or R packages in publications. Type 'demo()' for some demos, 'help()' for on-line help, or 'help.start()' for an HTML browser interface to help. Choose your operating system (Windows, Mac, or Linux) and Type 'q()' to quit R. follow the installation instructions. > local({pkg <- select.list(sort(.packages(all.available = TRUE</pre> if(nchar(pkg)) library(pkg, character.only=TRUE)}) **Installing R**

Choose the installation directory and desired components.



