

Skill Development Program on **“R for Biologists”**

1st – 5th March 2027

The CSIR-Center for Cellular and Molecular Biology is organizing a hands-on training on “**R for Biologists**” (R-2) targeted to faculty members/researchers from universities/institutes/industries and interested individuals in the field of Life Sciences, Medical Sciences, Pharmaceutical Science & allied areas. This workshop intended to **equip researchers, students, and faculty with computational and analytical skills** necessary to handle, analyze, and interpret biological data using the **R programming language**.

No. of seats	:	20
Target Audience	:	Faculty/ Researcher from Academia/Industries/ Institutes
Minimum Qualification	:	Masters in any branch of Life Science/Allied areas
Mode of the Course	:	In-house training at CCMB, Hyderabad
Mode of selection	:	Application form & Statement of Purpose
Course Fee	:	Rs. 15000/- (Includes Taxes)
Course Code	:	R-2
Accommodation	:	Available upon request & Subject to the availability

Training Curriculum:

- Introduction to R, R Studio & Programming
- Introduction to tidyverse and dplyr
- Data Visualization with ggplot2
- More Data Visualization – Heat Maps Volcano Plots etc.,
- Case study - Analyzing real RNA-Seq data & Metgenomics data

Salient Features of the Training:

- Bridge the gap between biology and data science
- Develop proficiency in data visualization, analysis, and modeling
- Gain foundational skills in R programming and environment configuration.
- Efficiently handle and process data using R's tools and structures
- Communicate findings visually through effective data visualizations in R.
- Lectures from experts of CCMB
- One-to-one interaction with the trainers
- Evaluation assignments and Trouble-shooting sessions
- Certificate of participation

Apply using the link/scanner: http://recruitment.ccmb.res.in/training_programs/sdp/

Course Coordinator:

Dr. Nitesh Kumar Singh,
CSIR-CCMB,
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Program Coordinator:

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