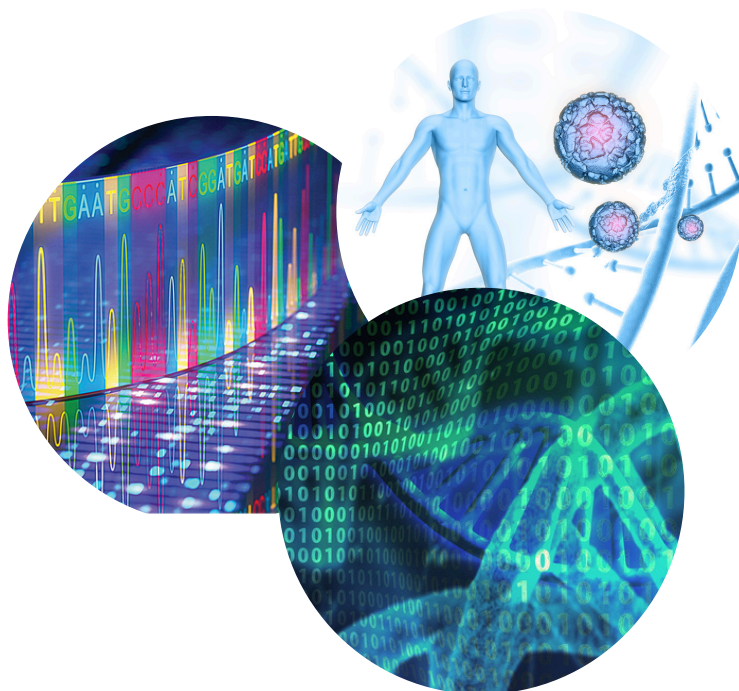


Summer Training Program in Genome Informatics



About this program: Genomics has rapidly evolved into a data-driven science, harnessing the power of bioinformatics to decode the complexities of life. As this field continues to advance, bioinformaticians and professionals in related areas need to stay ahead of the curve. To help you develop critical thinking skills and master cutting-edge techniques, we have designed a comprehensive training program in **Genome Informatics**.

This program delves into key areas such as genomics, transcriptomics, metagenomics, and single-cell transcriptomics, providing you with the expertise to analyze and interpret complex biological data. Gain hands-on experience, enhance your analytical capabilities, and be part of the revolution shaping the future of genomics.

Prerequisites: A basic understanding of biology and enthusiasm to learn. No computing or programming experience is required.

Who can take this course: Bachelors and Masters students from any Life Sciences field including Biochemistry, Microbiology, Biotechnology, Pharma and other allied sciences.

Summer Training in Genome Informatics

Our Training Program in Genome Informatics is carefully crafted to ensure that participants gain a thorough understanding of industry-applied and practiced topics. The training module covers curated topics that progress from basic to advanced levels, enabling participants to grasp concepts effectively. Additionally, this training includes an introduction to key concepts commonly used in genomics data analysis.

Topics Covered:

- Bioinformatics Basics
- Introduction to Genomics
- Sequencing Techniques and File Formats
- Galaxy for Genomic Data Analysis
- Clinical Variant Analysis
 - Variant Calling and Annotation
- Transcriptomics Data Analysis
 - Differential Gene Expression
 - Functional Analysis
- Metagenomics Data Analysis
 - 16s rRNA Metagenome Sequencing
 - Taxonomic Identification
- Single Cell RNA Transcriptomics

Our summer training program aims to impart practical knowledge of bioinformatics and genomics. Our hands-on training methodology includes tasks that enable students to perform steps independently, enhancing their learning experience.

General Information:

- Duration of the course: 5th May to 13th June 2025 | Every Monday to Friday | 5 - 6 PM IST
- There will be assignments, practice sessions, etc. Participants are encouraged to try the commands and tools during their free time.
- The sessions will be conducted online via WebEx meetings.
- An e-Certificate will be provided to each participant.
- The course material will be provided to each participant on Google Drive.

Registration Fee: Rs 8000 | USD 100 per participant

Early Bird Discounted Fee till 18th April: Rs 6000 | USD 80 per participant

FAQ:

1) What is the last date for registration?

Registration is open till 4th May 6 PM IST

2) What if I miss some of the sessions?

We provide a recording of each session. You can watch the recording and complete the topic

3) How can I get answers to my doubts post-session?

You can ask your doubts via email or WhatsApp

For registration, queries please contact us at:

- training@genespectrum.in
- Whatsapp - +91 7021386045