

CERTIFICATE PROGRAM IN BIOINFORMATICS 2024-25

(6-MONTHS)

This program provides a solid base to the use of bioinformatics by providing theory and application training in methods and resources appropriate to all major fields in biological research



SYLLABUS OVERVIEW

- Introduction to bioinformatics & python/R programming
- Biological sequence analysis & phylogenetics
- Next generation sequencing data analysis
- Structural bioinformatics & fundamentals of drug discovery
- Dissertation (Students can be a part of ongoing projects at RGCB)

**Offline Course
(10 seats)**

INSIGHTS

- Bioinformatics as science
- Fundamentals of computer & R programming
- Designing & performing bioinformatics analysis
- Handling of important bioinformatics tools & resources
- Best strategies to analysis high throughput NGS DATA (DNA & RNA)
- Structural Bioinformatics, molecular docking & protein structure analysis
- Computational biochemistry and drug design
- Basics of data science
- Applications of bioinformatics in biomedical research

WHO SHOULD APPLY

- The course is aimed at people with a biological science degree who have little or no experience in bioinformatics.
- Previous knowledge of computer programming is not required for this program.

ESSENTIAL QUALIFICATION

- Bachelor's degree in any branch of Life sciences, Physical sciences or Medical/Engineering degree
- Those awaiting their results are also eligible to apply

APPLICATION INFORMATION

- Program Period : Oct 2024 to March 2025 (Offline)
- Available seats: 10
- Selection : Based on personal interview
- Fees : Academia : ₹35,000
Non-Academia: ₹70,000

Application Deadline
29-September-2024

**APPLY
NOW**



Prof. Chandrabhas
Narayana, FASc, FRSC, FNASc
Director



Dr. Shijjula Nelson Sathi
Co-ordinator, Scientist E-I



Dr. Kathiresan Natarajan
Scientist C



Dr. Dileep Vasudevan
Scientist F



Dr. Parijat Senapati
Scientist C



Dr. Jamshaid Ali
Deputy General Manager



Dr. K C Sivakumar
Senior Manager

CONTACT

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