

Rajiv Gandhi Centre for Biotechnology (RGCB)

ONE YEAR CERTIFICATE PROGRAM IN BIOINFORMATICS

6 months Virtual Training
Project (Optional) 6 months

Number of
Seats: 20



2023 - 2024 ADMISSIONS OPEN

This one-year certificate program is a platform for highly motivated students to explore bioinformatics through practical "hands-on" training. The 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 of biological research. It includes best strategies for undertaking bioinformatics analysis, computer programming, statistical methods, data management and reproducibility. Participants will work in the Bioinformatics facility under the close guidance of scientist from Rajiv Gandhi Centre for Biotechnology (RGCB).



INSIGHTS

During this one year period, participants will gain insights about:


- ✓ Bioinformatics as science
- ✓ Fundamentals of computer & R programming
- ✓ Designing & performing bioinformatics analysis
- ✓ Handling of important bioinformatics tools and resources
- ✓ Best strategies to analyze high throughput NGS data (DNA, RNA & Proteins)
- ✓ Basics of Data Science
- ✓ Applications of bioinformatics in biomedical research
- ✓ Structural Bioinformatics - Molecular docking and protein structure analysis
- ✓ Computational Biochemistry and Drug Design

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 Qualifications

Bachelor's Degree or Master's degree in any branch of Life Sciences, Physical Sciences or Medical/Engineering Science. Those awaiting their final results are also eligible to apply.

 More info

For more details contact:

Dr. Shijulal Nelson Sathi (coordinator),
Bioinformatics facility,
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APPLICATION INFORMATION

Program Period : June 19th 2023 to May 31st 2024
Program Mode : Part A : Training (Online - 6 months)
1hr/day (9:00 am to 10:00 am)
Part B : Project (Offline - 6 months)
(Full time - Optional)

Fee Structure	Total	Part A	Part B
Academia	₹50,000	₹ 30,000	₹ 20,000
Non Academic	₹ 100,000	₹ 60,000	₹ 40,000
Foreign	US \$ 1500	US \$ 1000	US \$ 500

Trainers : RGCB Scientists, Teaching Assistants & Visiting Faculty

Selection : Based on personal interview.

Last date of application : 16th May 2023

Date of online interview : 27th May 2023

Publication of the list of shortlisted candidates : 31st May 2023

Date of commencement of Online Certificate Program : 19th June 2023

 Application link

