

Rajiv Gandhi Centre for Biotechnology (RGCB)

# ONE YEAR CERTIFICATE PROGRAM IN BIOINFORMATICS

6 months Virtual Training  
Project (Optional) 6 months

Number of Seats: 20

RGCB  
DISCOVERIES FOR A BETTER TOMORROW

## 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:

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## APPLICATION INFORMATION

Program Period : June 19<sup>th</sup> 2023 to May 31<sup>st</sup> 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 : 16<sup>th</sup> May 2023  
Date of online interview : 27<sup>th</sup> May 2023  
Publication of the list of shortlisted candidates : 31<sup>st</sup> May 2023  
Date of commencement of Online Certificate Program : 19<sup>th</sup> June 2023

[Application link](#)

