



ONE YEAR CERTIFICATE PROGRAM IN BIOINFORMATICS

ADMISSIONS OPEN ON 3 MAY 2021

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 RGCB. 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).
- ✓ Data management of reproducibility.
- ✓ Applications of bioinformatics in biomedical research.
- ✓ Structural Bioinformatics - Molecular Docking and protein structure analysis.

WHO SHOULD APPLY ?

The Course is aimed at people with a biological science who have little or no experience in bioinformatics. Essential qualifications include a first-class Bachelor's degree in medical / engineering science or master's degree in any branch of life sciences. Those awaiting their final results are also eligible to apply. Previous knowledge of computer programming is not required for this program.

APPLICATION INFO :

Program Period:	1 Jul 2021 to 17 Dec 2021
Schedule:	1hr per day, 9:00 AM to 10:00 AM
Program Mode:	Online
Fee:	50,000 INR (30,000 Training + 20,000 Project)
Trainers:	RGCB Scientists, Teaching Assistants & Visiting Faculty
Selection:	Based on personal interview.
Application Deadline:	15 Jun 2021
Application Link:	Click here

For more details contact: Office of Academic Affairs, RGCB, Trivandrum.

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