About the training

The genomic era is experiencing massive explosion in generation of biological information. The onset of genome sequencing of organisms and the rapid application of high throughput experimental techniques resulted in the generation of huge amount of data. Bioinformatics is an emerging field of science for the application of information technology to manage the data generated in biological experiments. Application of bioinformatics tools in biological research enable storage, retrieval, analysis, annotation and visualization of biological data with great speed and accuracy.

The science of bioinformatics in agriculture has caught interest with myriad of applications such as biochemical pathway analysis, protein-protein interactions, sequence similarity, protein modeling and several other molecular techniques. Computational analysis of the sequence data generated by genome sequencing, proteomics and array-based technologies is critically important for their faster and better exploitation.

To expose the agricultural scientists to the latest computational biology tools for biological research, a training on 'Techniques in Agricultural Bioinformatics and Next Generation Sequence data analysis', sponsored by DBT is being organized at the Bioinformatics Centre (DIC), Kerala Agricultural University from 22nd to 31st October, 2018. The training includes theory and hands-on sessions on different aspects.

Topics

- Bioinformatics tools for genomics
- Structure based drug discovery
- Molecular modeling
- Phylogenetic analysis
- Next Generation sequence data analysis

Who can apply?

Teachers and scientists from ICAR/SAU's actively involved in plant genomics and Bioinformatics research.

The number of participants is limited to 10.

How to Apply?

Interested scientists may submit the filled in application form as Microsoft word document through e-mail (**bic@kau.in**) to the Coordinator, Bioinformatics Centre (DIC).

Working lunch and refreshments will be provided during the training. Travel and accommodation has to be arranged by the participants. No TA/DA will be given for the participation in the programme.

Selected candidates will be informed through corresponded e-mail address.

The participants will be given the participation certificate

Important Dates

Date for receiving filled in application: October 1st 2018

Intimation of selection for participants: October 5th 2018

Address for correspondence

Dr. Deepu Mathew
Training Coordinator,
Bioinformatics Centre (DIC),
IT-BT Complex, Vellanikkara,
KAU P.O., Thrissur, Kerala 680 656
Ph: 0487-2438592 Email: bic@kau.in

Format for Application

1 Full name (In BLOCK letters): ....

2. Designation (with full address): ....

PIN: ....

3. Telephone: ....

4. E –mail : ....

5. Nature of job: .... (Teaching, Research, Extension)

6. Area of specialization: ....

7. Academic Record

Examination	Subject	Year of pass	Institution/ University	OGPA %

8. Why this training is essential for the participant: ....

9. Whether participated in any Summer/ Winter School/ Short Course etc. during the previous five years: Yes / No

Details of participation if 'yes': …... ……………………………………………

10. Level of computer knowledge.

Basic (MS Office): Yes/No

 Advanced (Programming): ☐Yes/No

Date: ....

Signature of Applicant:

CERTIFICATE FROM THE SPONSORING AUTHORITY

Dr./Shri /Ms.................................... is hereby nominated for participation in the Training on "Techniques in Agricultural Bioinformatics and Next Generation Sequence Data Analysis" being organized by the Bioinformatics Centre (DIC), Kerala Agricultural University, Thrissur, Kerala from 22nd to 31st October 2018. He/she will be relieved by the Department/Office and treated as on official duty during the period of the course.

(Office Seal)

Signature of the Competent Authority

Training on

Techniques in Agricultural Bioinformatics and Next Generation Sequence Data Analysis

22nd – 31st October, 2018

Organized by

Bioinformatics Centre (DIC)

Kerala Agricultural University

Sponsored by

Department of Biotechnology

Government of India