



Online Training on Proteomics Data Analysis

November 24-26, 2021

Sponsoring Project

ICAR Consortium Research Platform on Genomics

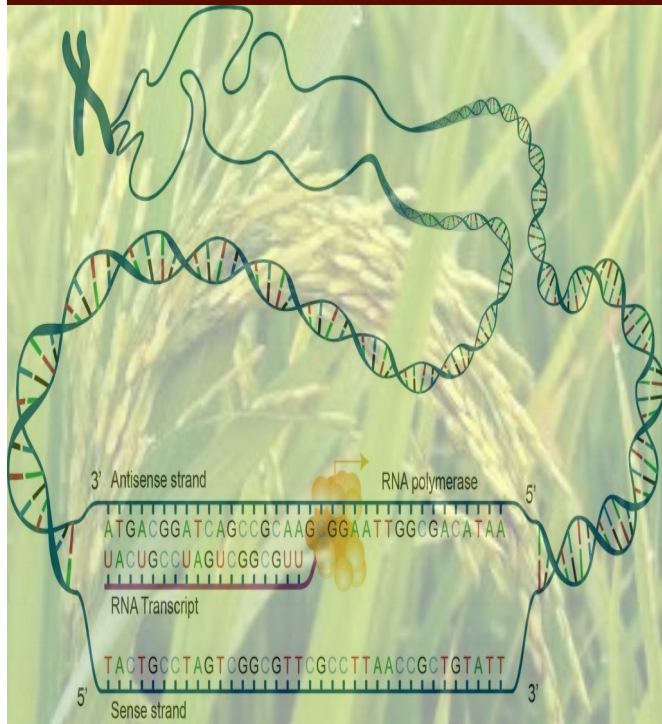
Submission Deadline : 20th November, 2021

Eligibility: Scientific/ Technical/ Contractual Research Staff
working in NARES

Dr. Rajender Parsad, Director, ICAR-IASRI
Dr. Anil Rai, Head (CABin), Course Director
Dr. Sudhir Srivastava, Course Coordinator
Dr. K. K. Chaturvedi, Course Coordinator

Centre for Agricultural Bioinformatics (CABin)
ICAR-Indian Agricultural Statistics Research Institute
Library Avenue, PUSA, New Delhi - 110012

<http://cabgrid.res.in/cabin/>; <https://iasri.icar.gov.in/>



Super-Computing Facility (ASHOKA)

In the last decade, Institute has established a high performance computing facility ASHOKA with 256 node linux, 16 node GPU and 16 node Windows cluster. Recently, this facility has been upgraded with much higher capacity and high speed connectivity, which is accessible to researchers through National Agricultural Bio-computing portal. As per requirement of the scientists of NARES, number of important bioinformatics software have been installed along with commercial software such as CLC Genomics, Discovery Studio, Blast2Go, etc.

Introduction:

Bioinformatics is an interdisciplinary field comprising of biology, statistics and computer science. During the last two decades, enormous sequence data has been generated in biological science, firstly with the onset of sequencing the genomes of living organisms and, secondly, rapid application of high throughput experimental techniques in laboratory research. Application of various bioinformatics tools in biological research enables storage, retrieval, analysis, annotation and visualization of results and promotes better understanding of biological systems in their entirety. This will further lead to development of tools and techniques for sustainable agriculture. The aim of this training is to provide an overview of proteomics data analysis and its applications in agriculture. This training mainly consists of modules related to proteomics data analysis. Special emphasis will be laid on concepts, issues and solutions related to agricultural bioinformatics.

About IASRI:

ICAR-IASRI is mainly responsible for conducting research and imparting education/training in the field of Agricultural Statistics, Computer Applications and Bioinformatics to bridge the gaps in the existing knowledge. The Institute has used the power of Statistics blended judiciously with Computer Application and Bioinformatics and has contributed significantly in improving the quality of Agricultural Research. With the passage of time the institute has equipped itself with the modern facilities to meet the requirements in the changed scenario.

General Information:

The training will be conducted through virtual mode. Participants are requested to join only through laptop/ desktop with internet connectivity.



Objectives:

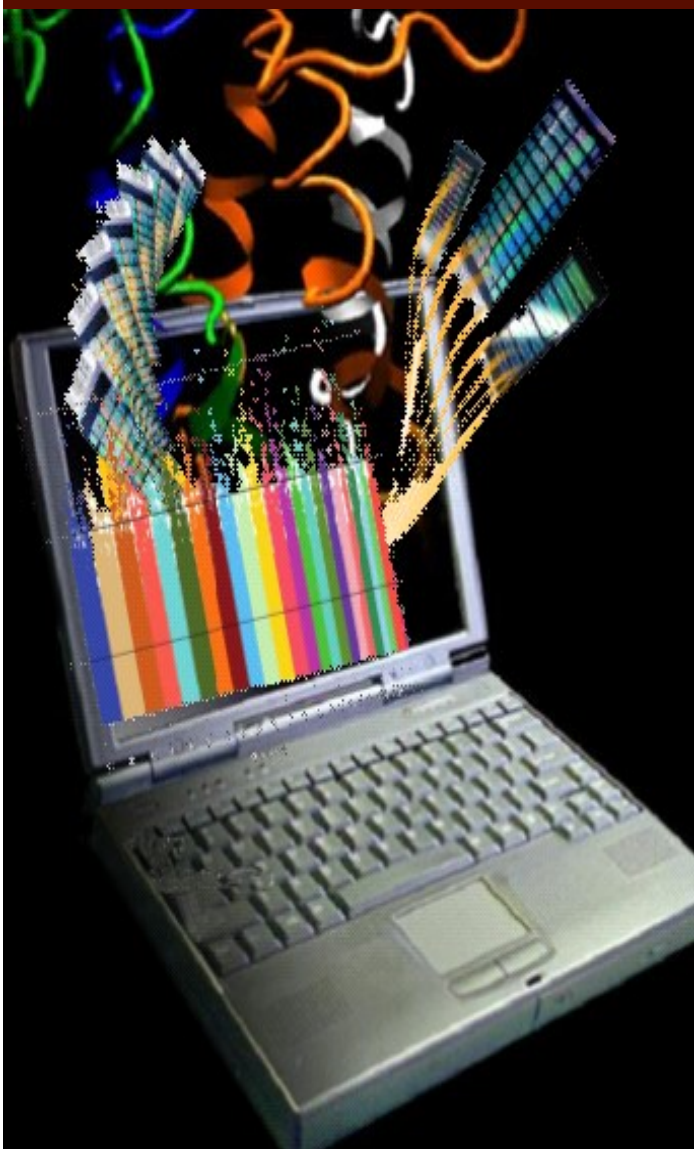
- ◆ To deliver the concepts of proteomics data analysis using recent bioinformatics tools and techniques.
- ◆ To illustrate the above through lectures, demonstrations and hands on sessions.

Modules of the Course

- Overview of proteomics data
- Protein/Peptide identification and quantification
- Preprocessing of proteomics data
- Differential expression analysis of proteomics data
- Proteomics of protein-protein interaction and protein modifications

Eligibility:

- The candidate should be a scientific/ technical/ contractual research staff in the National Agricultural Research and Education System
- Desirable: Working knowledge of Windows/ Linux and Internet



Nominations:

The application for participation must be filled online through the link <https://forms.gle/YumpQcKscUqAWjwA8>. The scanned copy of the filled application form as per given format, approved by the competent authority must be emailed to trg.cabin.crp@gmail.com.

Note: Both online and scanned copy of forwarded application are compulsory.

Application Form for Nomination to Training Programme

1.	Name (in block letters)	:	
2.	Designation	:	
3.	Discipline	:	
4.	Age (in years)	:	
5.	Gender (Male/Female)	:	
6.	Category (General/OBC/SC/ST)	:	
7.	Address for Correspondence	:	
8.	E-mail Address	:	
9.	Telephone Number (Mobile)	:	
10.	Educational Qualifications	:	
11.	Present Employer's Address	:	
12.	State/Union Territory of Present Employer's Address	:	
13.	Date of Employment	:	
14.	Name of the research project where applicant is presently employed	:	
15.	Funding agency of the research project where applicant is employed	:	
			Signature of the Applicant with Date

It is certified that information furnished above is correct.

Signature of PI / Recommending authority with date and seal

Please send the duly filled, signed and approved application before last date of nomination.

Last date: Receipt of nomination - 20th November 2021; Intimation to selected candidates - 22nd November 2021

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