



**Training cum Workshop on
"Trends in Genomics"**

07 – 11 August 2023



Organized by

Bioinformatics Centre

Madras Veterinary College

Chennai – 600007, Tamil Nadu



The first Veterinary and Animal Sciences University in Asia was established on 20th September 1989 with its head quarters in Chennai with the name **"Tamil Nadu Veterinary and Animal Sciences University"** (popularly abbreviated as **TANUVAS**) and is functioning with a mandate to impart education, further the advancement of learning and research and undertake extension to rural people in co-operation with the government departments.

The University has been conferred with the prestigious "Sardar Patel Outstanding ICAR Institution Award - 2011". TANUVAS is the first veterinary university in the country to bag this coveted award. As per NIRF-ranking 2023, TANUVAS is ranked 12th among all Agriculture and allied Institutions and is the first among State Veterinary Universities of the country and ranked number 12 amongst Agricultural Universities in 2020 by ICAR. Presently, TANUVAS has seven Veterinary Colleges, one College of Food and Dairy Technology, one College of Poultry Production and Management

and one Post Graduate Research Institute in Animal Sciences as constituent institutions. Moreover, the University also has 10 Research Stations, one Institute of Animal Nutrition, 20 Veterinary University Training and Research Centres, four KVKs, three FTCs, one Veterinary University Training and Diagnostic Centre, one Ethno-Veterinary Herbal Training and Research Centre, one Central Feed Technology Unit, one Agricultural Technology Information Centre and several Research and Service Laboratories spread across the state to disseminate the research findings and new technologies to the farming community, as well as to take care of research and extension needs of the livestock and poultry sectors.

Madras Veterinary College

Madras Veterinary College is located in Vepery, Chennai. The College, one of the oldest Veterinary institutions in India, was established in 1903. The College became affiliated with the University of Madras in 1935, the first college



to offer the bachelor's degree in Veterinary Medicine in India and then affiliated with Tamil Nadu Agricultural University. In 1989, the College has become a constituent unit of

TANUVAS. At present, the College has 32 departments/units and offering various degree and diploma courses in Veterinary and Animal sciences.

Bioinformatics Centre

The Bioinformatics Centre at Madras Veterinary College was established as one of the nodes in the Bioinformatics Network (BTISNet) as Distributed Information Sub Centres (SubDICs) in the year 1990-1991 with the objective to harness the scientific knowledge of rapid advancement in Bioinformatics and sustainable utilization of biological resources for the betterment.



The Centre has been providing computational facilities and bioinformatics related services to cater the needs of Faculties, Scientists, Research Scholars and Students of Veterinary, Animal and life Sciences in the field of Bioinformatics.

The Centre is equipped with state-of-the-art facilities in terms of hardware, software, information storage and retrieval and an in-house wet-lab to carry out molecular biology studies. Major activities of the Centre include human resource development,

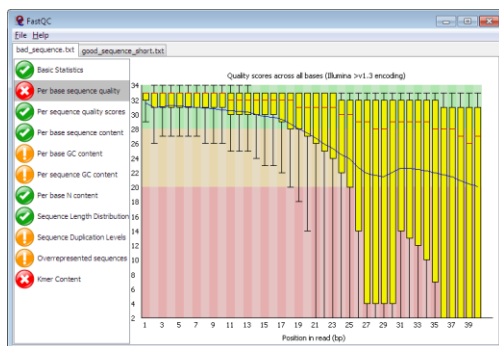
research, information retrieval, database creation, etc.

So far, (upto 2022) this Centre has trained more than 2600 scientists, research scholars, faculties and students in the area of bioinformatics. Presently, a PG diploma course in Bioinformatics (Distance mode) is being offered by this Centre, as well as project guidance on bioinformatics is being provided to the students of external institutions also.

Research in the area of genomics, proteomics, molecular interactions and optimization, epitope prediction, database creation, modeling, comparative genomics, virtual Screening and simulation are carried out at this Centre.

Objective of the Training cum Workshop

To furnish the participants with an understanding of the importance of tools in Bioinformatics and work flows to provide exposure in Genomics Research with the help of proprietary and open source softwares.



Contents: The broad areas to be covered during various sessions include lectures and

practical demonstrations which will be based on the following themes:

- I. Bioinformatics and its Applications
- II. Genomics data processing and assembly
- III. Genomics data analysis using Bioinformatics tools
- IV. Applications of Genomics in Microbiology, Animal Sciences and Pathogenesis studies such as in infections, metabolic diseases and cancer

Level of Participants: Faculties, Scientists, Research scholars and Students.

Prerequisites: Knowledge of computer operation with biological background is preferable.

Number of Participants: 25 [*Only on first-come, first-served preferential basis*]

Registration Fee: Rs.2500/- + Applicable GST (now 18%: Rs.450) [Participants from India]

Payment of Fee: The fee (Rs.2950/-) may be paid through Electronic mode (IMPS/NEFT/RTGS/UPI) to A/C.No. **570502010008183** of **Union Bank of India**, MVC Vepery branch, Chennai-600 007, IFS Code: **UBIN0557056** or by Demand Draft drawn in favour of **"The Coordinator, SF Scheme on Human Resource Development, Bioinformatics Centre"** payable at **Chennai** on any nationalised bank.

Registration (with fee details):

https://docs.google.com/forms/d/e/1FAIpQLScUPZ2-QJJXT3HdgqZ7RC70aripnpHR7W_uEHt4GPkMIFanAg/viewform?usp=sf_link

[Note: Registration as well as furnishing payment receipt to the Centre thro' email is mandatory for providing the Selection letter]

Accommodation and Food: Accommodation would be provided at MVC Campus on payment basis on prior request, subject to availability. Participants have to make their own arrangement for food.

For details contact:

Organising Secretary:

Dr. P. Devendran, Ph.D.,
Professor and Head
Bioinformatics Centre, MVC

Co-organising Secretaries:

Dr. K. Anbukumar, Ph.D.,
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Last date for Registration:
31.07.2023