



**National Training Programme on
APPLICATION OF BIOINFORMATICS
IN
VETERINARY RESEARCH**



06 -10th July, 2015



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)** after realizing the importance of education and research in animal and fisheries so as to increase its productivity towards better income generation for the farmers.

TANUVAS has been conferred with the prestigious **“Sardar Patel Outstanding ICAR Institution Award-2011”**, recognizing its outstanding performance in education, research and extension in the country in the field of agricultural sciences including Veterinary, Animal and Fisheries Sciences at



the 84th Foundation Day celebrations of ICAR on 16.07.2012 at New Delhi. **TANUVAS is the FIRST VETERINARY UNIVERSITY in the country to bag this coveted award.**

Presently TANUVAS is functioning with four Veterinary Colleges, one Food Science College, one Poultry Science College, five Research stations, twenty one University Training and Research Centres, three Krishi Vigyan Kendras, three Farmer's Training Centres, eleven Research Laboratories, two Ethno-Veterinary Herbal Training and Research Centres, one Agricultural Technology Information Centre spread across the state to take care of research and extension needs of the livestock and poultry sectors.

Madras Veterinary College

The Madras Veterinary College is located in Vepery, Chennai, India. The college was established on October 1, 1903, in a small building known as Dobbin Hall. The college became affiliated with the University of Madras in 1935, and became the first college to offer the bachelor's degree in





Veterinary Medicine in India.

In 1989, the college was affiliated with TANUVAS. At present the college has 32 departments and offers various degree and diploma courses in Veterinary & Animal Sciences, Bioinformatics and Biotechnology.

Bioinformatics Centre at MVC

The Dept. of Biotechnology, Govt. of India, New Delhi has established a nationwide Bioinformatics network in India called BTISNet in 1986-87 with more than 162 centres. The main objective of this network is to harness the scientific knowledge of rapid advancement in Bioinformatics and Biotechnology and sustainable utilization of biological resources for the betterment of nation.



The Bioinformatics Centre at Madras Veterinary College has been identified as one such node in the network which was established as one of the Distributed Information Sub Centres (SubDICs) in the year 1990-1991 to cater the needs of scientists of Veterinary, Animal & Fishery Sciences in the field of Bioinformatics and Biotechnology.

The Centre has been providing computational facilities, bioinformatics related services to its users. The centre is equipped with state-of-art services and facilitates in terms of hardware, software, information storage and retrieval and an in-house wetlab to carry out molecular biology works.

Major activities of the centre include human resource development, research, information retrieval, database creation, etc.

So far, (1999 to December 2014) this centre has trained around 1610 scientists, research scholars, faculties in the area of Bioinformatics. Two PG courses namely, M.Sc., Bioinformatics and PG Diploma in Bioinformatics are being offered at this centre.

Research in the area of drug discovery/docking, lead optimization, epitope prediction, microarray analysis, pathway analysis, database creation, modelling and comparative genomics are carried out at this centre.

Objectives of the Training Programme: The objectives of the workshop is to decipher the theoretical and hands on practical knowledge in Bioinformatics and to increase the awareness of *in-silico*





research works in animal and veterinary sciences

Contents: The broad areas to be covered during various sessions include Theory lectures and practical demonstrations of the five days training programme which will be based on the following themes:

- i. Introduction to basic tools of Bioinformatics
- ii. Sequence analysis and phylogeny
- iii. Comparative Genomics
- iv. Gene Annotation
- v. Primer designing and optimization
- vi. Practical knowledge on various genome analysis tools
- vii. Practical knowledge on various proteome analysis tools

Level of participants: Scientists / Teaching faculties / Students

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

Number of participants: 25-30 [Only on first-come, first-served basis]

Registration Fee: Rs.2000 /- (includes course material, Tea, snacks & working lunch)

Accommodation: Would be provided on payment basis on prior request, subject to availability.

Last date for Registration: 03.07.2015



Contact

For Registration:

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Website: www.btismvc.org



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06-10th July 2015



REGISTRATION FORM

1. Name (in Capital letters): _____

2. Father's Name : _____

3. Sex : Male/Female

4. Designation: _____

5. Degree : _____

6. Department : _____

7. Organization: _____

8. Address for Communication: _____

9. Phone: (O) _____ (R) _____

Fax: _____ Mobile: _____

10. Email: _____

11. Areas of Interest: _____

12. Mode of Payment of Registration fee:

(1) By Demand Draft No. _____ Dated _____ for Rs. 2000/- (Rupees two thousand only)

Bank Name : _____







(or)

(2) By cash payment through any branch of Union Bank of India / other Bank Branches within India
(PAY-IN-SLIP attached)

13. Accommodation (on payment basis) required: YES / NO

Signature of the applicant

The registration fee shall be paid by Demand Draft drawn in favour of "The Project Coordinator, Bioinformatics Centre, Madras Veterinary College, Chennai - 600007" and payable at Chennai on any Nationalized Bank. In case of cash payment through UBI/ other Bank, the office copy of the Pay-in -slip should be enclosed along with the application. Selection will be based on First-Cum, first Served Basis. (This registration form is for one nomination only. For more nominations, Photocopies of this form may be used.) Soft copy of the registration form may be sent along with photo copy of DD or Pay-in-Slip for immediate approval. Accommodation would be provided on request from the participants based on the availability.

(last date to remit the money – 03/07/2015)		(last date to remit the money – 03/07/2015)		(last date to remit the money – 03/07/2015)	
PAY-IN-SLIP	BANK COPY	PAY-IN-SLIP	STUDENT COPY	PAY-IN-SLIP	TO BE ENCLOSED WITH THE APPLICATION
 BIOINFORMATICS CENTRE MADRAS VETERINARY COLLEGE CHENNAI – 600 007 		 BIOINFORMATICS CENTRE MADRAS VETERINARY COLLEGE CHENNAI – 600 007 		 BIOINFORMATICS CENTRE MADRAS VETERINARY COLLEGE CHENNAI – 600 007 	
Applicant Name:		Applicant Name:		Applicant Name:	
Union Bank of India/ other Bank Branches within India Payable at Branch Name and Address: Paid into the credit of The Project Coordinator, Bioinformatics Centre & ARIS Cell, Madras Veterinary College, Chennai – 600007 SB A/C No.: 332902011000383 IFSC Code: UBIN0557056 Union Bank of India, MVC, Chennai-7.		Union Bank of India/ other Bank Branches within India Payable at Branch Name and Address: Paid into the credit of The Project Coordinator, Bioinformatics Centre & ARIS Cell, Madras Veterinary College, Chennai – 600007 SB A/C No.: 332902011000383 IFSC Code: UBIN0557056 Union Bank of India, MVC, Chennai-7.		Union Bank of India/ other Bank Branches within India Payable at Branch Name and Address: Paid into the credit of The Project Coordinator, Bioinformatics Centre & ARIS Cell, Madras Veterinary College, Chennai – 600007 SB A/C No.: 332902011000383 IFSC Code: UBIN0557056 Union Bank of India, MVC, Chennai-7.	
<u>Application fee</u> National Training Programme on “Application of Bioinformatics in Veterinary Research” to be held during 06-10th July 2015. Application fee once paid will not be refunded.		<u>Application fee</u> National Training Programme on “Application of Bioinformatics in Veterinary Research” to be held during 06-10th July 2015 Application fee once paid will not be refunded.		<u>Application fee</u> National Training Programme on “Application of Bioinformatics in Veterinary Research” to be held during 06-10th July 2015 Application fee once paid will not be refunded.	
(a) Application Fee Rs.	2000.00	(a) Application Fee Rs.	2000.00	(a) Application Fee Rs.	2000.00
(b) Bank charges if any (The bank service charge is extra to be met by the applicants)		(b) Bank charges if any (The bank service charge is extra to be met by the applicants)		(b) Bank charges if any (The bank service charge is extra to be met by the applicants)	
Total		Total		Total	
Rupees.....		Rupees.....		Rupees.....	
Name and address of the Student / Scientist		Name and address of the Student / Scientist		Name and address of the Student / Scientist	
Signature of the Depositor		Signature of the Depositor		Signature of the Depositor	
Sign of the Cashier		Sign of the Cashier		Sign of the Cashier	
Bank Stamp with date		Bank Stamp with date		Bank Stamp with date	