

MADRAS VETERINARY COLLEGE, CHENNAI – 600 007

Training Code: [MVC/BTIS-01]

<b>Title</b>	:	<b>Workshop on “Application of Bioinformatics in Animal Sciences”</b>
<b>Date</b> (from ___ to ___)	:	17 – 21 June, 2019
<b>Duration</b> (in number of days):	:	5 days
<b>Subject Area</b>	:	❖ General Bioinformatics Training

**OBJECTIVES:**

To decipher the theoretical and hands on practical knowledge in Bioinformatics and its different areas. • To increase the awareness of *In-silico* research works in Veterinary and Animal Sciences.

**CONTENTS:**

Theory lectures and practical demonstration of the 5 days training programme 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

**METHODOLOGY** : Lectures, Demos and Hands on session

**LEVEL OF PARTICIPANTS** : Biological Students of B.Sc. / M.Sc. or Any UG/PG Degree

**PREREQUISITES** : Knowledge of computer operation is preferable

**NUMBER OF PARTICIPANTS** : 25-30

**EXPECTED DATE OF ANNOUNCEMENT** : 2<sup>nd</sup> week of May 2019

**BOARDING & LODGING ARRANGEMENTS ETC.** : All participants must make their own boarding and lodging arrangement. However, accommodation may be arranged on payment basis and on first come first served basis subject to availability

**ANY OTHER RELEVANT INFORMATION, IF ANY** :

<b>REGISTRATION FEE</b> (if any):		
<b>Participants from</b>	<b>Without Accommodation</b>	<b>With Accommodation</b>
India	Rs.2000+18% GST(Rs.360)	-----

MADRAS VETERINARY COLLEGE, CHENNAI-600 007

Training Code: [MVC/BTIS-02]

<b>Title</b>	:	<b>Workshop on “Genomic and Proteomic Analysis for improvement of Productivity in Farm Animals”</b>
<b>Date</b> (from ___ to ___)	:	5-9 August, 2019
<b>Duration</b> (in number of days):	:	5 days
<b>Subject Area</b>	:	Bioinformatics in Animal Genome and Proteome Analysis

**OBJECTIVES:**

To introduce the basic bioinformatics tools and methods to help teachers, lecturers and scholars in order to conduct advanced research in genomics

**CONTENTS:** Theory lectures and practical demonstrations of the five days workshop will be based on the following themes: Sequence Retrieval from Biological Databases, Sequence Analysis—Introduction to BLAST, Sequence Alignment Methods, ClustalW, Phylogenetic Analysis, Bootstrapping Methods using Phylip, MEGA, etc. Gene/Genome databases, Gene analysis tools, primer design and analysis etc.,

**METHODOLOGY** : Lectures, Demos and Hands on session

**LEVEL OF PARTICIPANTS** : Teachers, Students and Research scholars

**PREREQUISITES** : Knowledge of computer operation is preferable

**NUMBER OF PARTICIPANTS** : 25-30

**EXPECTED DATE OF ANNOUNCEMENT** : 1<sup>st</sup> week of July 2019

**BOARDING & LODGING ARRANGEMENTS ETC** : All participants must make their own boarding and lodging arrangement. However, accommodation may be arranged on payment basis and on first come first served basis subject to availability

**ANY OTHER RELEVANT INFORMATION, IF ANY**

<b>REGISTRATION FEE (if any):</b>		
<b>Participants from</b>	<b>Without Accommodation</b>	<b>With Accommodation</b>
India	Rs.2000 + 18%GST(Rs.360)	----

MADRAS VETERINARY COLLEGE, CHENNAI – 600 007

Training Code: [MVC/BTIS-03]

<b>Title</b>	:	<b>Workshop on “Computer Aided Drug Designing”</b>
<b>Date</b> (from ___ to ___)	:	14-18 October, 2019
<b>Duration</b> (in number of days):	:	5 days
<b>Subject Area</b>	:	❖ Drug designing

**OBJECTIVES:**

To furnish the participants with an understanding of the importance of tools in Bioinformatics in Computer Aided Drug Designing (CADD) and to provide ideas to design drugs using Bioinformatics.

**CONTENTS:** I. Bioinformatics & Application of IT for R&D. II. Introduction to Genomics. III. CADD Resources. IV. Protein Modeling. V. Molecular Interaction and Analysis. VI. Drug Designing & ADMET property analysis. VII. Pharmacovigilance.

**METHODOLOGY** : Lectures, Demos and Hands on session

**LEVEL OF PARTICIPANTS** : scientists and students

**PREREQUISITES** : Knowledge of computer operation is preferable

**NUMBER OF PARTICIPANTS** : 25-30

**EXPECTED DATE OF ANNOUNCEMENT** : 1<sup>st</sup> week of September 2019

**BOARDING & LODGING ARRANGEMENTS ETC.** : All participants must make their own boarding and lodging arrangement. However, accommodation may be arranged on payment basis and on first come first served basis subject to availability

**ANY OTHER RELEVANT INFORMATION, IF ANY** :

<b>REGISTRATION FEE</b> (if any):		
<b>Participants from</b>	<b>Without Accommodation</b>	<b>With Accommodation</b>
India	Rs.2000+18%GST(Rs.360)	----

**MADRAS VETERINARY COLLEGE, CHENNAI – 600 007**

Training Code: [MVC/BTIS-04]

<b>Title</b>	:	<b>Workshop on Information Retrieval System for PG (M.V.Sc. &amp; Ph.D.) students of TANUVAS (5 batches)</b>
<b>Date</b> (from ___ to ___)	:	18-22 November, 2019
<b>Duration</b> (in number of days):	:	1 day (in 5 batches)
<b>Subject Area</b>	:	❖ Knowledge Discovery from Data(KDD)

**OBJECTIVES:**

To provide an in depth idea about different information domains and applications of Bioinformatics to post graduate and research scholars of Madras Veterinary College (MVC), TANUVAS, Chennai.

**CONTENTS:**

i. Recent trends in Bioinformatics, ii. Biological databases. iii. Online information retrieval system iv. Offline information retrieval system. v. Various Application of Bioinformatics in Animal and Veterinary Sciences vi. Pros and cons of social networks

**METHODOLOGY** : Lectures, Demos and Hands on session

**LEVEL OF PARTICIPANTS** : PG students and research scholars of MVC, TANUVAS

**PREREQUISITES** : Knowledge of computer operation is preferable

**NUMBER OF PARTICIPANTS** : Around 100 Nos.

**EXPECTED DATE OF ANNOUNCEMENT** : 1<sup>th</sup> week of November, 2019

**BOARDING & LODGING ARRANGEMENTS ETC.** : Not Applicable

**ANY OTHER RELEVANT INFORMATION, IF ANY** :

<b>REGISTRATION FEE (if any):</b>		
<b>Participants from</b>	<b>Without Accommodation</b>	<b>With Accommodation</b>
First year PG Students of TANUVAS (MVC Campus)	Free of cost	-----

MADRAS VETERINARY COLLEGE, CHENNAI – 600 007

Training Code: [MVC/BTIS-05]

<b>Title</b>	:	<b>Workshop on “<i>In Silico</i> Molecular Modeling and Drug Designing”</b>
<b>Date</b> (from ___ to ___)	:	6-10 January, 2020
<b>Duration</b> (in number of days):	:	5 days
<b>Subject Area</b>	:	❖ Molecular Modeling & Drug Designing

**OBJECTIVES:**

To furnish the participants with an understanding of the importance of tools in Bioinformatics in Computer Aided Drug Designing (CADD) and to provide ideas to design drugs using Bioinformatics.

**CONTENTS:**

i. Bioinformatics & Application of IT for R&D. ii. Introduction to Genomics and proteomics. iii. CADD Resources. iv. Protein Modeling. v. Molecular Interaction and Analysis. vi. Drug Designing & ADME/T property analysis. vii. Pharmacovigilance.

**METHODOLOGY** : Lectures, Demos and Hands on session

**LEVEL OF PARTICIPANTS** : Faculties/ scientists and students

**PREREQUISITES** : Knowledge of computer operation is preferable

**NUMBER OF PARTICIPANTS** : 25-30

**EXPECTED DATE OF ANNOUNCEMENT** : 1<sup>st</sup> week of December 2019

**BOARDING & LODGING ARRANGEMENTS ETC.** : All participants must make their own boarding and lodging arrangement. However, accommodation may be arranged on payment basis and on first come first served basis subject to availability

**ANY OTHER RELEVANT INFORMATION, IF ANY** :

<b>REGISTRATION FEE (if any):</b>		
<b>Participants from</b>	<b>Without Accommodation</b>	<b>With Accommodation</b>
India	Rs.2000 + 18%GST(Rs.360)	----

MADRAS VETERINARY COLLEGE, CHENNAI – 600 007

Training Code: [MVC/BTIS-06]

<b>Title</b>	:	<b>Workshop on “Vetinformatics”</b>
<b>Date</b> (from ___ to ___)	:	2 -6 March, 2020
<b>Duration</b> (in number of days):	:	5 days
<b>Subject Area</b>	:	❖ General Bioinformatics Training for Veterinarians

**OBJECTIVES:**

To decipher the theoretical and hands on practical knowledge in Bioinformatics and its different areas to vets. • To increase the awareness of *in-silico* research works in Veterinary and Animal sciences.

**CONTENTS:**

Theory lectures and practical demonstration of the five days training programme 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 viii *In-silico* molecular biology tools etc.,

**METHODOLOGY** : Lectures, Demos and Hands on session

**LEVEL OF PARTICIPANTS** : Scientists and students preferably form Veterinary and Animal Science faculty

**PREREQUISITES** : Knowledge of computer operation is preferable

**NUMBER OF PARTICIPANTS** : 25-30

**EXPECTED DATE OF ANNOUNCEMENT** : 1<sup>st</sup> week of February, 2020

**BOARDING & LODGING ARRANGEMENTS ETC.** : All participants must make their own boarding and lodging arrangement. However, accommodation may be arranged on payment basis and on first come first served basis subject to availability

**ANY OTHER RELEVANT INFORMATION, IF ANY** :

<b>REGISTRATION FEE (if any):</b>		
<b>Participants from</b>	<b>Without Accommodation</b>	<b>With Accommodation</b>
India	Rs.2000 + 18% GST(Rs.360)	----

**Contact Address :**

Professor and Head &  
Project Coordinator  
Bioinformatics Centre & ARIS Cell  
Madras Veterinary College  
Chennai – 600 007

Telephone 044-25360106, 25360114,25304000 Ext. 2094/2064

E-mail: [tnvasuniv.btisnet@nic.in](mailto:tnvasuniv.btisnet@nic.in)

[hodbitmvc@tanuvas.org.in](mailto:hodbitmvc@tanuvas.org.in)

[kumananrani@gmail.com](mailto:kumananrani@gmail.com)

Website: [www.tanuvas.ac.in](http://www.tanuvas.ac.in) / [www.btismvc.ac.in](http://www.btismvc.ac.in)