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Head, PG & Research Department of Zoology

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Head, UG Department of Zoology

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**Mr. K. J. Dhananjeyan**

Assistant Professors, Department of Zoology

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Lady Doak College, Madurai.

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The American College, Madurai

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### **FOR FURTHER DETAILS**

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Since 1881

## **THE AMERICAN COLLEGE**

(An Autonomous Institution Affiliated to Madurai Kamaraj University)  
(Accredited by NAAC with Grade A and a CGPA of 3.46 on a 4 point scale)  
Madurai-625 002, Tamil Nadu.

### **PG & Research Department of Zoology**

**Diamond Jubilee Celebrations**



### **State Level**

## **Hands on Training cum Workshop on FUNDAMENTALS OF BIOINFORMATICS**

**05 March 2020**

**Venue: Jeevana Jyothi Computer Centre  
at 9:30 a.m.**



#### Dear friends and colleagues

We are happy to invite you to participate in the **State Level Hands on Training cum Workshop on FUNDAMENTALS OF BIOINFORMATICS** to be held on **05 March 2020** in The American College, Madurai.

#### About the College

Established in 1881, The American College is one of the first set of seven colleges to be made autonomous by the UGC in 1977-1978. Today the college offers thirty undergraduate and sixteen postgraduate Programmes. There are seven research centres offering M.Phil., and Ph.D Programmes in various disciplines, and two autonomous centres like Department of Applied Sciences (DAS) and Study Centre for Indian Literature in English and Translation (SCILET) receiving national and international attention. Its alumni shine as luminaries internationally as scientists, intellectuals, administrators, corporate managers, statesmen and leaders. The College has active theatre groups, National Service Scheme, N.C.C. units and service learning Programme (SLP) that offer students a wide variety of opportunities to serve society. These activities add up to make the campus a vibrant for developing one's personality. Recently the college is reaccredited by NAAC with "A" Grade and a CGPA of 3.46 on a 4 point scale.

#### Department of Zoology

Department of Zoology was functioning as a collegiate department since the inception of The American College as a second grade college in 1881. Zoology was offered as a Part II subject to B.A. degree in 1913. Postgraduate department of Zoology was added under Madras University in July 1959. B.Sc. special Zoology was offered from 1969 under Madurai Kamaraj University. Postgraduate department was recognized as Research Centre in 1982. M.Phil. program was started from July 1987.

#### Objective of the workshop

The workshop aims to give the participants the basic competence in the use of bioinformatics tools. It also emphasizes the learning of bioinformatics in light of the knowledge of molecular biology. The workshop aims to provide the participants with a practical and hands-on experience with common bioinformatics tools and databases. It further intends to train the participants in using databases for searching and analyzing protein and nucleic acid sequences and building phylogenetic trees.

#### Registration fee

A fee of Rs. 250/- (Rupees Two hundred and Fifty only) is being charged and the payment is to be made by demand draft on any nationalized bank in favour of "**Bursar, The American College**", payable at **Madurai** and should be sent to the organizers on or before **29 February, 2020**.

### PROGRAMME SCHEDULE

09.00 am – 09.30 am	-	REGISTRATION
09.30 am – 10.00 am	-	INAUGURATION
09.30 am – 09.35 am	-	Prayer
09.35 am – 9.40 am	-	Welcome address
09.40 am – 09.55 am	-	Inaugural address
09.55 am – 10.00 am	-	Group photo
10.00 am – 10.30 am	-	THEORY SESSION – I
10.30 am – 10.45 am	-	TEA BREAK
10.45 am – 01.00 pm	-	PRACTICAL SESSION – I (Sequence retrieval, BLAST, FASTA, Restriction site finding, Protein structure retrieval & visualization)
01.00 pm – 02.00 pm	-	LUNCH BREAK
02.00 pm – 04.00 pm	-	PRACTICAL SESSION – II (Multiple Sequence Alignment, Phylogenetic tree construction (MEGA – demonstration) and GenBank submission (demonstration))
04.00 pm – 04.30 pm	-	VALEDICTION (Participant's Feedback, Certificate distribution, Vote of Thanks)