



# UNIVERSITY OF MYSORE

## DOS in ZOOLOGY

National Workshop and Hands on Training on  
“Teaching and Learning Biology with *Drosophila*”

21-23<sup>rd</sup> December 2023



Sponsored by

**FlyBase, USA**

and

**Drosophila Stock Centre - A National Facility**

Department of Studies In Zoology

University of Mysore, Karnataka India

## About Drosophila Stock Centre

The Department of Biotechnology (DBT), Government of India, New Delhi recognized the potential of the Department of Zoology, University of Mysore and awarded grants to Prof. H. A. Ranganath as Project Investigator to establish a National Facility for genetic stocks of *Drosophila* during 1990. Under the leadership of Prof. H. A. Ranganath, Prof. S. N. Hegde, Prof. S. R. Ramesh and Prof. V. Vasudev joined together as co-investigators to establish the “Drosophila Stock Centre”. Today it has about 2000 *Drosophila* genetic stocks. Main objectives of the centre are to procure and maintain genetic strains of *Drosophila* required for both teaching and research purposes and to provide genetic stocks and species, free of cost to different departments of our university, to other universities and research institutes of our country, to organize training programmes for Research Scholars and Teachers to familiarize the protocols and *Drosophila* as a model system.

## About the Department

The Department of Studies in Zoology was established in the year 1960 under the stewardship of late Prof. M. R. Rajashekarasetty along with late Prof. B. N. Bole Gowda and Late Prof. Appaswamy Rao, Prof. M. R. Rajashekarasetty was the chief architect of all the developmental activities of the department. There has been a steady progress in the growth of this department over the past five decades. At present there are 4 faculty members, 4 technical and 15 non teaching personnel, 108 M.Sc. Zoology students and 15 research scholars.

The Department of Studies in Zoology has gained an international status and the alumni of the department have spread all most all parts of the country. The research area include, *Drosophila* Genetics, Human Genetics, Developmental Genetics, Behavioral Genetics, Genomics, Vector Biology, Stress Biology, Endocrinology, Cancer Biology, Toxicology, Chronobiology, Microbial Biology, Applied Zoology, Apidology and Wildlife Biology. Department of Zoology has received many grants from the prestigious funding agencies, such as DST, DBT, BRNS, CSIR, ICMR and the infrastructure facilities have been provided under DST-FIST, UGC-SAP, COSIST grants. Recently, the UGC has recognized the Department as Centre for Advanced Studies.

## About FlyBase

FlyBase is an online bioinformatics database and the primary repository of genetic and molecular data for the insect family Drosophilidae. For the most extensively studied species and model organism, *Drosophila melanogaster*, a wide range of data are presented in different formats. Information in FlyBase originates from a variety of sources ranging from large-scale genome projects to the primary research literature. These data types include mutant phenotypes, molecular characterization of mutant alleles and other deviations, cytological maps, wild-type expression patterns,

anatomical images, transgenic constructs and insertions, sequence-level gene models, and molecular classification of gene product functions. The FlyBase project is carried out by a consortium of Drosophila researchers and computer scientists at Harvard University and Indiana University in the United States, and University of Cambridge in the United Kingdom. FlyBase is one of the organizations contributing to the Generic Model Organism Database (GMOD). They also contribute to the popularization of the Drosophila research and awareness among schools and colleges every year. At present, Drosophila Stock Center, University of Mysore is proud to have been recognized by the FlyBase organization for its earlier efforts and future potentials, and has been awarded with a grant of \$2000, for conducting a workshop.

## Objective of the workshop:

To train Teachers and Research Scholars in the basics of Drosophila Research and Teaching.  
To popularize Drosophila and its importance as a model system in the Biology and Medicine.

## Organizing Committee.

**Chief Patron:** Prof. N.K. Loknath - Honourable Vice Chancellor  
**Patron:** Smt. V.R. Shylaja - Registrar  
**Convener:** Prof. Basavarajappa. S - Chairman,  
**Organizing Secretary:** Prof. V. Shakunthala

## Organizing Members:

## Local Organizing Members

Prof. M. Bhagya	Dr. Mohan, T.K.
Prof. S. S. Malini	Dr. Santhosh, S.
Prof. M.S. Krishna	Dr. Prajwala, B.
Mr. Nithyananda, M.C.	Smt. Lakshmi, K.
Dr. Saraswathi, Y.S.	Ms. Roopa, K.
Mr. Krishnamurthy Naik, N.	Ms. Chandana, J.

**Who can attend:** Under-graduate and Post-graduate Teachers, and Research Scholars

**Last date of application: 20<sup>th</sup> November, 2023**

## How to apply:

Soft copy of application send to: [drosophila.workshop2023@gmail.com](mailto:drosophila.workshop2023@gmail.com)

Hard copy of application send to:

Organizing Secretary

Drosophila Stock Centre

DOS in Zoology

University of Mysore, Manasagangothri, Mysuru-570006

## Scientific Advisers

1. Prof. H.A. Ranganath
2. Prof. S.N.Hegde
3. Prof. S. R. Ramesh
4. Prof. V. Vasudev
5. Prof. N. B. Ramachandra
6. Prof. B. V. Shyamala
7. Prof. Sheeba Vasu
8. Prof. Upendra Nongthomba

**Application form:** (To be forwarded through proper channel,  
with assurance of OOD facility )

Name of the participant: .....

(in block letters)

Date of birth: .....

Educational qualification: .....

Present designation: .....

(address) .....

.....

Contact number: .....

E. mail: .....

A brief note on justification to attend workshop?

.....

Signature of applicant

Date:.....

Place:.....

Contact: 0821-24192775/ ...6366291222 /7411533289/9480577988

