

Drosophila Resource Centre, Biochemistry Department



Drosophila Resource Centre was set up in Department of Biochemistry in 2012. The centre was funded by DBT Star College Project. It aims to teach the basic principles of genetics using *Drosophila* as model system. Almost 300 students have been trained since its inception. Students of different life science streams such as Botany, Biochemistry, Life Sciences and Zoology from DU and Punjab University have been trained at the centre. A lab manual on 'Rediscovering Genetics' has been published in 2016 that covers the range of experiments performed by the students at the centre. The students have been immensely benefited by this training which is reflected in their selection and pursual of higher education in genetics from prestigious places. The centre also provides stocks and support to many colleges of Delhi University, AIIMS and Sanatan Dharm (P.G.) college, Muzaffarnagar. Students get hands-on training on preparation of fly food, culturing and maintenance of flies, male female differentiation, identification of mutants, performing crosses to analyse principles of genetics and many more. It also conducts workshops for training students and teachers of other colleges of DU since its inception. In September 2022, workshop was organized for our sister department, Department of Biochemistry, Shaheed Rajguru College of Applied Sciences for Women where 2 faculties and 24 students have been trained in drosophila genetics and were helped in establishing the facility in their college. Students showcased the activities of Drosophila Resource Centre at Gyanotsav-2079 held at IARI, Pusa Campus from 17th to 19th November 2022.

Dr. Neeru Dhamija and Dr. Anita Goel attended Hands-on-training on "Animal models for teaching and research" held at BHU from October 7th to 9th, 2022 for updating themselves with the current research in the field.

Associated Faculty:

Dr. Sunita Joshi (Retired associate professor), Dr. Neeru Dhamija, Dr. Anita Goel