

Neuroscience with fruit fly

New Delhi, Dec 30: Mayanglambam Dhruba Singh, Scientist E at DBT-National Brain Research CentreI presented an online talk with his colleague Dr. Nivethida Thirugnanasambandam for India International Science Festival (IISF-2020) on 18th December 2020. The talk was about the use of the fruit fly model in Neuroscience.



Drosophila melanogaster which is commonly known as fruit fly is a versatile model system for various biological research and neuroscience study. Various biological discoveries were made using the model such as biological clock, hox genes and Wnt signaling pathway. Furthermore, its use for human neurodegenerative disorders has led to identification of molecular pathways affected by expression of mutant form of neurodegenerative disease genes. In recent times, it is being utilized to understand the functional role of genes involved in neurodevelopmental disorders such as autism and intellectual disability.

Contact details: Mayanglambam Dhruba Singh, Scientist-III, NBRC (mdhruba@nbrc.ac.in)

Link: <http://www.nbrc.ac.in/>