

THE GENETICS AND BIOLOGY OF DROSOPHILA

Edited by M. Ashburner, H.L. Carson and J.N. Thompson Jr.

It is widely accepted that techniques for studying genetic variability within and between populations provide new and clarifying dimensons for assessing the mode of origin of both species and adaptations. *The Genetics and Biology of Drosophila* is a classic reference work, which provides a comprehensive account of the studies of the *Drosophila* species, which has long been used for extensive research into the genetic components of population biology, ecology, evolutionary biology and taxonomy.

Volume 3c

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Volume 3c presents, because of its key importance, an extensive section on genetic variability in populations. These details of the population genetic structure of *Drosophila* have emerged out of a decade of electrophoretic analysis and extensive studies of chromosomal and polygenic variability.

Volume 3d

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Volume 3d summarizes methods of collecting *Drosophila*. This is followed by chapters on population structure, selection and measures of fitness, and on abiotic factors that can influence *Drosophila* development, behaviour and distribution. Other chapters summarize knowledge of seasonability and diapause, breeding sites of tropical African Drosophilids, and the ecology of flower-breeding species.

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