

Special Issue

Drosophila as a Model System to Study Metabolism

Message from the Guest Editor

Defects in cellular and organismal metabolism can result in a number of diseases including obesity and type 2 diabetes, which are very prevalent worldwide. Increasing our knowledge of how metabolism is controlled is essential to better understand the pathogenesis of these diseases; however, studying metabolism in humans is very challenging. An organism that has recently emerged as a model system to study metabolism is the fruit fly, *Drosophila melanogaster*. *Drosophila* is an excellent system in which to study metabolism due to its short generation time and lifespan and the high similarity of its genes, cellular and biochemical pathways, and cellular and organ physiology with mammals. In addition, there are many genetic tools available in *Drosophila* that allow each gene in the genome to be manipulated. With this Special Issue, we aim to bring together a wide range of *Drosophila* researchers studying many diverse aspects of metabolism in the hope of highlighting the many important discoveries that can be made with flies; this research can ultimately be used to gain a more thorough understanding of metabolic biology in a wide range of biological systems.

Guest Editor

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Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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