

Special Issue

Insect Receptors: Biochemical, Physiological and Molecular Studies

Message from the Guest Editor

Fifty-five years ago, Usherwood and Grundfest showed that the response of insect muscle to GABA (γ -aminobutyric acid) is dependent on the ionotropic receptor. Since that event, the field of insect receptors has expanded, and various groups have characterized, sequenced, and genetically engineered many of these receptors. These receptors are involved in many important physiological and biochemical events in an insect's life, including odorants, protein storage, mobilization of sugar and lipids, inhibition of visceral muscles, gastrointestinal control, signal transduction, oogenesis, oviposition, larval and adult development, aggregation, and sugar and bacterial toxin receptors. These diverse receptors could be used to control vectors of medical and agricultural pest importance. We feel that the time has come to publish a comprehensive collection of original research and review articles on single targeted insect receptors rather than a whole field of insect receptors. The special issue has now extra funds for accepted manuscripts to help with the publication costs up to 1000 CHF.

Guest Editor

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Deadline for manuscript submissions

closed (20 January 2022)



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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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