



## Insect Receptors: Biochemical, Physiological and Molecular Studies

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Deadline for manuscript  
submissions:

**closed (20 January 2022)**

### Message from the Guest Editor

Dear Colleagues,

Fifty-five years ago, Usherwood and Grundfest showed that the response of insect muscle to GABA ( $\gamma$ -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.





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