



Insect Senses: From Perception to Cognition

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Message from the Collection Editors

Dear Colleagues,

This Topical Collection aims to present a collection of articles representing outstanding contributions on insect perception and sensory integration. The tremendous diversity and ecological success of insects (and, more generally, arthropods) have been facilitated, among other factors, by their ability to use and integrate varied information. Such information covers all sensory modalities, including vision, chemical senses (olfaction and taste), mechanical senses (touching and hearing), and electric or magnetic perception. Moreover, perceived data are integrated with other information, allowing their manipulation through cognitive processes.

This Topical Collection will attempt to cover the diversity of sensory modalities in various arthropods, especially non-model insect species. All levels of integration are welcome, from molecular mechanisms of transduction to functional sensory ecology. Integrative and comparative approaches are particularly welcome.

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