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Arthropod Neuropeptides:  
Molecular/Multi-omics  
Identification and Functional Roles

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I am glad to announce the special issue **“Arthropod Neuropeptides: Molecular / Multi-omics Identification and Functional Roles”** in *Frontiers*. This collection aims to highlight cutting-edge research on neuropeptide diversity, signaling pathways, and their functional roles in arthropod physiology, development, and adaptation. By bringing together novel discoveries on neuroendocrine regulation, this issue seeks to deepen our understanding of arthropod biology and enable practical advances that promote greener solutions like sustainable pest-control strategies. We look forward to contributions that push the boundaries of neuro-/endo-peptidomics.