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# **Ectoparasite Biogenic Components in the Modulation of Vector-host-pathogen Interactions**

Guest Editor:

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# **Message from the Guest Editor**

Vector-borne diseases (TBDs) represent a growing burden for human and animal health worldwide. Vector competence is a component of vectorial capacity and depends on genetic determinants affecting the ability of a vector to transmit a pathogen. These determinants affect traits such as vector-host-pathogen interactions and susceptibility to pathogen infection. Therefore, the elucidation of the mechanisms involved in vectorpathogen and vector-host interactions that affect vector competence is essential for the identification of molecular drivers for vector-borne diseases. The identification using latest omics technologies of ectoparasite biogenic components and their role in the modulation of vectorhost-pathogen molecular interactions that promote survival, spread, and pathogen transmission provides the opportunity to disrupt these interactions and leads to a reduction in the prevalence of vector-borne diseases.













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