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Evolutionary Genetics of Insect Innate Immunity

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Message from the Guest Editor

Previous cutting-edge research using model insects together with genetic and genomic tools has led to the identification and characterization of distinct signaling pathways which are activated in response to microbial infections. These findings have led to a better understanding of the nature and regulation of insect innate immune processes. In turn, this crucial information has not only progressed the research field of insect innate immunity, but it has also rekindled interest in the innate immune system of mammals. The goal of the relevant scientific community is now to continue filling existing gaps in our knowledge about how microbial infections are sensed, how their presence is communicated both within and among cells and tissues of the insect host, and how they can be efficiently eradicated.

This Special Issue in *Genes* on “Evolutionary Genetics of Insect Innate Immunity” will provide an excellent venue to report recent advances in this topic by publishing high-quality research articles and comprehensive reviews on current and future challenges.



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Special Issue



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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised.

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