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Invertebrate Immunity

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Message from the Guest Editors

All living organisms have evolved defence systems capable of recognizing and containing and/or eliminating most of the pathogens encountered during their life. Efforts to escalate the diversity and availability of genomic resources have substantially increased our knowledge of the molecular basis of invertebrate immunity and presented an opportunity to improve our comprehension of invertebrate immune systems and host–pathogen evolution.

The forthcoming Special Issue aims to provide an overview of recent topics on invertebrate immunity, with an emphasis on reviews and fundamental or applied studies that aim to decipher the dynamic molecular processes of invertebrate immune responses as they adapt and respond to pathogen and parasite challenges. Priority will be given to works that elucidate new immune mechanisms in invertebrates, challenging the commonly accepted paradigms in innate immunity, notably revealing recognition specificity, the complexity of innate immune responses, and adaptive-like mechanisms (priming/memory) and transfer protection to offspring.

Dr. Patrick Hanington

Dr. Benjamin Gourbal

Guest Editors



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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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