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Genetics of Insecticide Resistance

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Message from the Guest Editor

Resistance to insecticides is a major challenge to the control of insects, either vectors of diseases, such as Malaria or dengue, or as important crop pests. The elucidation of the genetic basis of insecticide resistance in these insects is a crucial step to design resistance management strategies to prevent potentially devastating public health consequences or severe economic losses. Indeed, without genetic information on insecticide resistance genes and associated molecular markers, it is difficult to track and anticipate the course of resistance or assess its impact on disease transmission and on crop production. The advent of next-generation sequencing coupled with new functional genomics tools have accelerated the study of the genetics basis of resistance in these insects. In this Special Issue, we are calling for reviews or research articles that will cover recent progress made in elucidation of the genetic basis of resistance in these insects.



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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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