

Special Issue

How Genes Interact to Produce Function

Message from the Guest Editor

Genes interact either through direct physical interactions, i.e., through their products, such as a protein complex, or indirectly as parts of cohesive networks or pathways. Ultimately, these interactions modulate a phenotype, a combination of all the epistatic, pleiotropic, and system level effects. Functional relationships among genes are studied at varying levels of resolution (molecular to organismal to population), in a variety of model organisms (yeast to mice to humans), and for a wide (and often ill-defined) set of functions. As we still do not know the number of interactions of many genes, their products, and function(s), how context-dependent their functions are, and to what degree function and interactions are conserved, work to decipher these questions involves a broad set of fields and scientific approaches. This Special Issue aims to highlight the variety of computational methods and tools that the functional genomics community uses to study gene interactions and predict function.

Guest Editor

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closed (1 January 2021)

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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving 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. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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