Protein Interactions, Pathways, and Networks in Health and Disease

Guest Editor:

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Deadline for manuscript submissions:
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Message from the Guest Editor

Dear Colleagues,

Understanding the molecular mechanisms that underlie diseases is crucial in the design of preventive and therapeutic strategies. Genetic studies have associated single genes with phenotype and traits, but these associations are neither all causal nor complete. Genome-wide association studies (GWAS) may yield non-causal associations due to linkage disequilibrium, and rare disease driver genes may remain uncovered. However, genes associated with a phenotype often belong to the same molecular pathway, interact with each other, and/or share common protein functions. The gene networks that cover these relationships may help to refine and discover new gene-disease associations towards a better understanding of disease etiology.

In this Special Issue, we welcome reviews, original articles, and short reports that cover different aspects of protein interactions, pathways, and networks. These may include works focused on a specific phenotype or on a gene network. We look forward to contributions on the construction of protein networks, evaluating the utility of networks, and predicting disease etiology based on gene networks or pathways.

Special Issue

Editor-in-Chief

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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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