

Special Issue

Structural and Evolutionary Perspectives on Immunogenetic Variation in Autoimmune and Related Disorders

Message from the Guest Editors

This Special Issue explores immunological biomarkers in autoimmune, autoinflammatory, and non-autoimmune disorders with immune involvement through evolutionary, structural, and genomic perspectives, particularly in the context of human genetic diseases. It focuses on uncovering how genetic variation—including polymorphisms in both coding (exonic) and non-coding (intronic, regulatory) regions—shapes the structure, function, and regulation of immune-related proteins. The Special Issue welcomes original research and review articles that integrate genomics, structural biology, biophysics, evolutionary or functional analysis to reveal the biological impact of immunogenetic variation in complex diseases. We particularly seek studies that explore the evolution of immune genes and proteins, the conservation or divergence of molecular mechanisms across species or populations, and how selection pressures have influenced current human immunogenetic variation. We also encourage the submission of articles that combine genomics, structural biology, functional assays, biophysics, and evolutionary modeling.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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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