

Special Issue

Proteins: Proteomics and Beyond

Message from the Guest Editors

Recent technological advancements in mass spectrometry-based high-throughput proteomics have redefined the biomedical sciences and have played a key role in understanding human diseases. Proteins are the molecules that dictate the structure, function, metabolism, and signaling events in the cells. They also play a crucial role in prognosis, diagnosis, and drug responsiveness to a disease.

The roles proteins play in the disease-specific cellular circuitry cannot be exclusively attributed to the primary structure but are also impacted by spatio-temporal expression changes, folding, post-translational modifications, protein-protein, protein-DNA, and protein-ligand interactions, which can be deciphered with the help of proteomic tools.

In this special issue of *Genes* on “Proteins: Proteomics and Beyond” we aim to compile a series of original and review articles focusing on experimental and theoretical approaches addressing the structure-function relationship, proteins or proteomic profiles in various biological systems, protein evolution, protein engineering and designs, molecular interactions, protein folding, post-translational modification (PTM), and protein biomarkers.

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Deadline for manuscript submissions

closed (20 October 2021)

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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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