

## Special Issue

# Genetic Insights into Aging and Age-Related Diseases

### Message from the Guest Editor

The progression of aging is determined by complex multifactorial interactions. Genetics and epigenetics are important contributors, as they can be directly related to the hallmarks of aging: genome instability, telomere attrition, epigenetic alteration, and mitochondrial dysfunction. These genetic and epigenetic abnormalities also contribute to the susceptibility to neurodegeneration, cancer, and other age-related diseases by mechanisms that are poorly understood. Understanding the mechanisms by which genetics combines with environmental factors to lead to disease or health is a critical gap in our knowledge that needs to be addressed in order to develop preventive and therapeutic interventions and promote successful aging. This Special Issue will focus on research that reveals the details of how genetic and epigenetic factors increase the susceptibility to/or protect against age-related diseases.

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### Guest Editor

Dr. Monica Sanchez-Contreras  
Department of Radiology, University of Washington, Seattle, DC, USA

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### Deadline for manuscript submissions

closed (20 April 2026)

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## Genes

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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?

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan  
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