

## Special Issue

# From Genes to Systems: Genetic and Epigenetic Control of the Metastatic Cascade

### Message from the Guest Editor

We would like to invite you to contribute to this Special Issue of *Genes*, entitled “From Genes to Systems: Genetic and Epigenetic Control of the Metastatic Cascade”. Cancer metastasis remains the leading cause of cancer-related death, and it is increasingly recognized as a process driven not only by genetic alterations but also by epigenetic reprogramming. Tumor cells can reprogram stromal, vascular, and immune partners to establish supportive niches, while circulating tumor cells (CTCs) serve as metastasis-initiating intermediates capable of surviving in circulation, undergoing dormancy, and reactivating at distant organs. This Special Issue will bring together research that unravels the genetic and epigenetic mechanisms underpinning known stages of the metastatic cascade. Topics of interest include tumor heterogeneity, lineage plasticity, metastatic niche formation, dormancy, CTC biology, immune evasion, therapy resistance, and integrative multi-omics analyses. Both foundational research studies and translational research aimed at biomarker discovery, therapeutic targeting, and metastasis interception are welcome.

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### Guest Editor

Dr. Eric Rahrmann

The Hormel Institute, University of Minnesota, Austin, MN 55912, USA

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### Deadline for manuscript submissions

15 April 2026

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## Genes

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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?

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### Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan

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