

## Special Issue

# Inherited Blood Disorders: From Molecular Mechanisms to Diagnostic Tools

### Message from the Guest Editors

Hemostasis is a complex and tightly regulated system that attempts to maintain a homeostatic balance to permit normal blood flow, without bleeding or thrombosis. Hemostasis reflects the subtle balance between procoagulant and anticoagulant factors in the pathways of primary hemostasis, secondary hemostasis, and fibrinolysis. Advances in both molecular genetic analysis and laboratory tests for the diagnosis of blood disorders facilitate both the management and treatment of patients. We invite submissions to this Special Issue which focus on inherited bleeding disorders. From unraveling molecular intricacies to advancing diagnostic methodologies, this Special Issue aims to explore the comprehensive landscape of these conditions. Whether the paper delves into pathogenic mechanisms or discusses innovative diagnostic approaches, we welcome contributions which shed light on various aspects of inherited blood disorders. Join us in unraveling the complexities and exploring the advances in diagnosis and understanding in this crucial field.

### Guest Editors

Dr. Behnaz Pezeshkpoor

Institute of Experimental Hematology and Transfusion Medicine,  
University Clinic Bonn, 53127 Bonn, Germany

Dr. Lawrence E. Goldfinger

Department Of Medicine, Division of Hematology, Cardeza Foundation  
for Hematologic Research, Sidney Kimmel Medical College, Thomas  
Jefferson University, Philadelphia, PA 19107, USA

### Deadline for manuscript submissions

closed (5 March 2025)

G C A T  
T A C G  
G C A T

## Genes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5  
Indexed in PubMed



[mdpi.com/si/200543](https://mdpi.com/si/200543)

*Genes*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[genes@mdpi.com](mailto:genes@mdpi.com)

[mdpi.com/journal/  
genes](https://mdpi.com/journal/genes)



G C A T  
T A C G  
G C A T

# Genes

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.5  
Indexed in PubMed



[mdpi.com/journal/  
genes](https://mdpi.com/journal/genes)



## 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

Prof. Dr. Selvarangan Ponnazhagan  
Department of Pathology, The University of Alabama at Birmingham,  
1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Embase, PubAg, and other databases.

#### Journal Rank:

JCR - Q2 (Genetics and Heredity) / CiteScore - Q2 (Genetics (clinical))