



Hemoglobin Molecule: A Structure-Function Interplay

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Deadline for manuscript
submissions:

30 September 2024

Message from the Guest Editors

The current Special Issue aims to comprehensively overview current information about the molecular basis of haemoglobinopathies and how this information allows numerous applications in both prenatal approaches and patient treatment.

Indicatively, topics may include information about:

1. Gene structure and developmental control of the α -like and β -like globin gene clusters.
2. An updated overview of pathogenic variations (structural variants included).
3. Modifiers and pathways involved.
4. Overview of molecular methodologies available.
5. Databases and prediction tools for validation of novel variants.
6. Prenatal choices of couples at risk.
7. Omics.
8. GWAS and similar high-throughput approaches.
9. Epigenetics.
10. Therapeutic approaches based on gene therapy or gene regulation tools.
11. Therapeutic approaches based on modification of, i.e., growth factor signaling pathways.





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Message from the Editor-in-Chief

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