

## Special Issue

# New Advances in Erythrocyte Biology and Functions

### Message from the Guest Editor

In recent years, there has been a rapid proliferation of knowledge regarding health and the clinical approach to red-blood-cell-related diseases. Long assumed to be inert oxygen carriers, red blood cells (RBCs) are emerging as important modulators of the innate immune response. Furthermore, developments in novel red blood functions, blood bank storage methods, and red-blood-cell-based therapies have been reported. We are pleased to invite you to contribute original articles, reviews, and communications covering the entire field of RBC research, including, but not limited to, the following: Red blood cell (RBC) aging; pathological RBCs; immunological RBCs; blood bank storage; RBCs and vascular function; RBCs under stress (warming, hypoxia, sport); engineered RBCs; RBCs and drug interaction; and xenobiotics.

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### Guest Editor

Prof. Dr. Francesco Misiti

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### Deadline for manuscript submissions

closed (30 September 2025)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

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