



## Anemia and Iron Metabolism: Laboratory Diagnosis, Novel Biomarkers and Environmental Influence

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### Message from the Guest Editors

Dear Colleagues,

Anemia is one of the most common signs found in clinical practice. In a vast majority of the cases, anemia is not caused by a hematology specific disorder, but is secondary to diverse systemic diseases, including the anemia of chronic diseases.

Normal iron metabolism is crucial for the development of the hemoglobin molecule. Iron metabolism abnormalities can cause iron deficiency or iron overload. The molecules that are known to be crucial in maintaining normal iron metabolism are ferroportin and hemojuvelin that control iron absorption, transferrin, iron transporters, soluble transferrin receptors that allow iron incorporation into the cells, ferritin, the main molecule that allows iron storage, hepcidin, a regulator of iron availability and erythroferrone that regulate hepcidin activity. The focus of this Special Issue is research regarding the activity of all those molecules and others that can be the goal of future research. We will welcome laboratory and basic research studies, or reviews that provide significant new information on the pathophysiology of anemia and iron metabolism and possible future treatment approaches.





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## Message from the Editor-in-Chief

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