## **Special Issue**

## The Impact of Circulating Biomarkers and Metabolites on Cardiometabolic Disease and Cancer: New Insights and Therapeutic Opportunities

## Message from the Guest Editors

Circulating biomarkers and metabolites, such as amino acids and lipids, regulate biological processes associated with normal cell function and metabolism. In particular, changes in lipid species and amino acid profiles can have a significant role in cell function and regulation, anti-oxidant processes, the immune system, and inflammatory responses. We invite investigators to contribute either original research or review articles accordingly, within the aims of this special issue, focusing on the role and mechanisms of significant circulating biomarkers and cellular pathways which drive or take part in the onset and development of metabolic diseases, cardiovascular disease and tumorigenesis. Subtopics may include, but are not limited to, the following issues:

- Metabolomic and lipidomic approaches and metabolic disease:
- Assessment of biochemical and molecular biomarkers related to cardiometabolic risk and prevention:
- Lipids and amino acids profiles in cardiometabolic syndrome;
- Insulin and glucose metabolism and cardiometabolic disease;
- Metabolomic evaluation and cancer biomarkers on tumorigenesis.

#### **Guest Editors**

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## Deadline for manuscript submissions

20 October 2025



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## Message from the Editor-in-Chief

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### **Editor-in-Chief**

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