



Epigenetic Biomarkers in Nutrigenomics and Metabolism

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Message from the Guest Editors

Dear Colleagues,

It is well known that environment–host–microbe interactions (which include nutritional status) can affect epigenetic mechanisms and shape human metabolism through long-term regulation of gene expression. This is particularly crucial in the first 1000 days of life. Additionally, growing scientific evidence supports that epigenetic signatures may affect nutrient metabolism and, consequently, health status. Accordingly, the onset and progression of metabolic diseases such as obesity, type 2 diabetes, metabolic syndrome, fatty liver disease, and cardiovascular disorders may involve epigenetic mechanisms. In this context, genomic, metagenomic, and nutrigenomic studies are allowing the identification of epigenetic biomarkers for predictive purposes and the design of innovative intervention strategies for disease prevention or monitoring by targeting the epigenome. *Nutrients* welcomes the submission of manuscripts on the topic of “Epigenetic Biomarkers in Nutrigenomics and Metabolism”, which highlight recent advances in the discipline for the prevention, management, and prognosis of metabolic diseases under a precision nutrition scope.





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