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Effects of Dietary Interventions on DNA Methylation during Lifecycle

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Message from the Guest Editors

Epigenetic modifications have emerged as newsworthy features given their peculiar plasticity to undergo more or less consistent changes during lifecycle in response to a wide range of environmental changes, including lifestyle and dietary habits (nutrients, foods, and dietary patterns). In the last few decades alone, in fact, a wide variety of studies has reported the epigenetic effects of diet on phenotype, susceptibility to diseases, and life expectancy. In particular, considering their function as substrates or cofactors for epigenetic enzymes, nutrients and their metabolites have been recognized as responsible for global rearrangements of DNA methylation profiles and for regulating life extension.

We would like to propose this Special Issue including original research articles, reviews, and comments to provide a comprehensive overview of recent advances in the impact of diet on DNA methylation pattern during lifecycle and to move the nutritional epigenetics field forward.



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Special Issue



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Message from the Editorial Board

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