



life



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Immunologically Relevant Aspects of Foods—Probiotics and Nutrigenomics

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Adequate nutrition is essential during the course of our lives and it impacts us even before we are born. By now, it is well known that the diets of parents and even the grandparents leave an epigenetic imprint on the offspring, which can have long-lasting effects on health. Many food compounds, for instance, folic acid and vitamin B12, have a direct influence on epigenetic mechanisms, in particular, DNA methylation, and have been shown to affect the immune response. Whereas poor nutrition and nutrient deficiency have harmful effects on immune function, some specific food compounds exhibit important functions as modulators of health.

Through understanding the mechanisms of interaction between nutrients, the immune system, health, and disease prevention approaches could be optimized.

In this Special Issue of Life, we encourage researchers to explore the role of diet, especially its immunologically relevant components such as probiotics, in modulating gene expression and epigenetics.

Dr. Berit Hippe

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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