

## Special Issue

# Immunologically Relevant Aspects of Foods—Probiotics and Nutrigenomics

### Message from the Guest Editor

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.

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### Guest Editor

Dr. Berit Hippe

Department of Nutritional Sciences, University of Vienna, 1010 Wien, Austria

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### Deadline for manuscript submissions

closed (30 May 2024)



## Life

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[life@mdpi.com](mailto:life@mdpi.com)

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### Message from the Editor-in-Chief

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### Editor-in-Chief

Prof. Dr. Lluís Ribas de Pouplana

Institute for Research in Biomedicine (IRB Barcelona), The Barcelona  
Institute of Science and Technology, 08028 Barcelona, Spain

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