# **Special Issue**

# Nutritional Deficiencies as a Driver of Inflammation: Molecular Mechanisms of Immune Defense

# Message from the Guest Editor

We are shaped by our environment, with our immune system being at the forefront of handling and discerning between harmful and harmless factors. Nutrition and immunity are closely intertwined, with microbial crossfeeding contributing to health. However, in the context of nutrient deficiencies, a veritable tug-of-war for these nutrients can ensue between the various organisms. which can tip the system towards disease, e.g., inflammation. Understanding the specific mechanisms and factors contributing to inflammation is essential to develop preventive or therapeutic measures that reestablish health or at least mitigate the disease course. This Special Issue focuses on the recent scientific progress that enhances our understanding of nutrientdependent immunoregulation and inflammation. Based on your expertise, we invite original reports, observations and reviews that identify (i) environmental contributors, (ii) pathways to immune activation, (iii) mechanisms of immunosuppression and tolerance induction and (iv) recent advances in novel prophylactic and therapeutic measurements.

# **Guest Editor**

Dr. Franziska Roth-Walter

Department of Biological Sciences and Pathobiology, University of Veterinary Medicine Vienna, Vienna, Austria

# Deadline for manuscript submissions

closed (30 June 2024)



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Biomolecules
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
biomolecules@mdpi.com

mdpi.com/journal/ biomolecules





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# Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in Biomolecules so far. We would be delighted to welcome you as one of our authors.

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Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

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