



Role of Gut Microbiota in Immune Tolerance and Vaccine Development

Guest Editor:

Prof. Dr. Sin-Hyeog Im

Department of Life Sciences,
Pohang University of Science and
Technology (POSTECH), Pohang,
Republic of Korea

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Message from the Guest Editor

Immune tolerance refers to a state of active and highly regulated unresponsiveness of the immune system to self-antigens or a specific antigen that can induce an immune response in the body. It plays a crucial role in normal physiology, and deficiencies in tolerance can lead to autoimmune diseases.

In recent years, considerable progress has been made in immune tolerance research, particularly in the fields of immunotherapy, immunomodulation, and immune system regulation. However, challenges persist due to incomplete knowledge of the exact mechanisms, a lack of suitable research models, and limited access to clinical data, making it difficult to develop effective treatments for diverse immune tolerance-related disorders.

This Special Issue will specifically address (but is not limited to) the following two topics:

1. Cellular Aspects of Immune Tolerance in Health and Diseases: The Role of Immune Cell Subtypes and Their Crosstalk.
2. The Role of Commensal Microbiota in Immune Tolerance and Vaccines.

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Prof. Dr. Ralph A. Tripp

Department of Infectious
Diseases, College of Veterinary
Medicine, University of Georgia,
Athens, GA 30602-7387, USA

Message from the Editor-in-Chief

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Vaccines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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