

Special Issue

Impact of Obesity and Metabolic Diseases on Immunity and Vaccination

Message from the Guest Editor

Obesity and metabolic diseases are major health issues with a strong impact on the immune system. Since metabolism and immunity are tightly connected, inappropriate immune responses are commonly seen in metabolic disorders such as obesity increases the risk of severe illness from COVID-19 or type 2 diabetes increases the risk of multiple infections. Moreover, a lower immunization following vaccination is also observed in patients with obesity and several metabolic disorders. The mechanisms underlying these immune alterations remain unclear and extensive work is required to better characterize and understand the impact of obesity and metabolic diseases on the immune system. In this Special Issue, we welcome all types of articles (original research and reviews) that address the relationship between obesity or metabolic diseases and immune processes.

Guest Editor

Dr. Laurent L'homme

Inserm, CHU Lille, Institut Pasteur de Lille, U1011-EGID, University of Lille, F-59000 Lille, France

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

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About the Journal

Message from the Editor-in-Chief

Vaccines (ISSN 2076-393X), founded in 2013, now has a firm history of publishing peer-reviewed, state-of-the-art research papers on vaccines and vaccination in the broadest sense. Areas covered include, but are not limited to, novel and emerging vaccine technologies, building on in-depth knowledge of what constitutes a protective immune response. These can be new vaccines for old diseases, or old vaccines for new diseases. Vaccines against cancer and autoimmune diseases explicitly are also within the scope of the journal. Because public opinion and even government policies towards vaccines and vaccination have changed, vaccine policy and public health issues are major concerns. Climate change will also have an impact on the spread of infectious diseases, and thus also on vaccine and vaccination policies worldwide.

Editor-in-Chief

Prof. Dr. Ger Rijkers

Department of Health, Cognition and Behavior, University College
Roosevelt, 4331 CB Middelburg, The Netherlands

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