

Special Issue

Advances in Immunogenetics: From Genetics to Immune Responses

Message from the Guest Editors

The innate and adaptive immune responses have been highly scrutinized because of their crucial theoretical and clinical relevance. One of the significant applications of these studies is developing effective vaccines that protect the receiver against challenging pathogens. The immune response mechanisms can be analyzed at different levels:

- the genome level: identifying and characterizing immune genes and their genomic organization
- the expressed immune repertoires level: providing the possibility for statistical and comparative analysis on a person or multiple people. Investigating a person's immune repertoire at different time points can be particularly useful for studying the effects of a vaccine. Comparing different people's repertoires can facilitate the meta-analysis of a population's immune repertoire.
- the immune protein's structural level: providing valuable insights for engineered antibody used in diagnostic, therapeutic, and clinical indications.

In this Special Issue entitled "New Frontiers in Immunogenetics: From Genetics to Immune Responses," we welcome all papers, reviews, methodologies, and novel softwares that help elucidate the immunogenetics field.

Guest Editors

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Deadline for manuscript submissions

closed (31 December 2023)



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About the Journal

Message from the Editor-in-Chief

Vaccines (ISSN 2076-393X) has had a 6-year history of publishing peer-reviewed state of the art research that advances the knowledge of immunology in human disease protection. Immunotherapeutics, prophylactic vaccines, immunomodulators, adjuvants and the global differences in regulatory affairs are some of the highlights of the research published that have shaped global health. Our open access policy allows all researchers and interested parties to immediately scrutinize the rigorous evidence our publications have to offer. We are proud to present the work and perspectives of many to contribute to future decisions concerning human health.

Editor-in-Chief

Prof. Dr. Ralph A. Tripp

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