

Special Issue

Immune Imprinting: Effects, Mechanisms, and Implications for Vaccine Design

Message from the Guest Editors

We invite you to submit your manuscripts for this Special Issue of *Vaccines*, titled "Immune Imprinting: Effects, Mechanisms, and Implications for Vaccine Design".

Immune imprinting is a complex occurrence that describes how immunity is developed through previous antigen exposure, affecting subsequent immune responses to related antigens. Immune imprinting is exemplified by the antibody response to influenza viruses being influenced by the strains encountered in early life. Therefore, developing an in-depth understanding of immune imprinting can have important implications for vaccine development and pandemic preparedness.

This Special Issue aims to inform vaccine design by highlighting recent advancements in assessing the effects of immune imprinting and clarifying its underlying mechanisms. We welcome original research articles and reviews. Research topics may include, but need not be limited to, immune responses triggered by sequential exposures to varying antigens, such as those related to HIV-1, influenza virus, dengue virus, and SARS-CoV-2.

Guest Editors

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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.

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 18.1 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).