



Vaccine-Induced Reprogramming of Innate Immune Response

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Message from the Guest Editor

The innate immune system is the first line of host defense against pathogens. However, over-activation of the innate immune response can cause systemic inflammation and tissue damage. Both RNA-based or Non-RNA vaccines influence the innate immune response through promoting the development of adaptive immunity or reprogramming of the innate immunity known as “Trained immunity” which imparts non-specific protection to the host against the pathogen. It is still unclear how host innate immunity responds to pathogens post-vaccination and what is the broad impact of vaccination on the innate immune response? Therefore, this special issue seeks original contributions both in the form of research and reviews articles that advance our understanding of the vaccine-induced innate immune response.





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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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