



Immunodiagnostic, Immunoprophylactic, and Immunotherapeutic Approaches against Infectious Diseases

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Message from the Guest Editors

Dear Colleagues,

Immune-based tools have been extensively used in order to develop diagnostic, vaccinal, and therapeutic countermeasures to combat infectious diseases. Novel anti-infective monoclonal antibodies are also approaching the clinics in the next few years, and many more are currently under development. The availability of such specific reagents is thus pivotal to study host-pathogen interaction as well as to develop innovative approaches to eradicate infections. Recent high-throughput technologies are allowing to unravel the antibody repertoire in depth, such as in the context of certain infections or following immunization, for which it is important to understand what the key determinants conferring the protection are. In this Special Issue, we encourage the submission of papers on recent advances in the field, especially focusing on how we can exploit the immune system to understand new host-pathogen relationships as well as for the development of novel prophylactic, therapeutic, and diagnostic tools.

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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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