

Special Issue

Immune Ontogeny and Vaccination in Early Life

Message from the Guest Editors

The development of the immune system needs a number of changes that occur during the first years of life. The neonatal immune system is exposed to a large number of previously unseen antigens. The field is still lacking a good animal model to get insights into immune ontogeny in early life and development of immune-mediated diseases later in life. We are currently establishing a pediatric immunology program (PIP) where the NHP will be essential and central to developing comprehensive studies that will explore immune ontogeny, microbiome, vaccination, transfer of maternal immunology, system immunology, and serology. The goal of this Research Topic is to gather several known experts in the field of pediatric immunology, infectious diseases, and vaccinology to give an update on their latest research studies that are relevant to early life newborns and immune-mediated diseases later in life, and to develop a method to use the NHP model in the most comprehensive way to address important/remaining questions in the field.

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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