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Human Leukocyte Antigen (HLA) and Vaccines

Guest Editors:

Prof. Dr. Apostolos P. Georgopoulos

Dr. Effie-Photini Tsilibary

Dr. Lisa M. James

Dr. Spyros Charonis

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Message from the Guest Editors

Dear Colleagues,

The success of vaccines in preventing illness depends on our ability to make antibodies against the pathogen components contained in the vaccines; if antibodies cannot be made, the vaccine will not be effective. In this case, vaccine antigens persist with the possibility of causing cell damage either directly or via molecular mimicry and autoimmunity. Now, the mounting of antibodies against specific antigens critically depends on the individual's Human Leukocyte Antigen (HLA) Class 2 genetic makeup, which consists of more than six alleles (two for each of the DRB1, DQB1, and DPB1 genes, plus the occasional DRB3, DRB4, and DRB5 allele). This Special Issue will focus on this matter, which is of major medical and public health importance but hardly covered elsewhere.

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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.

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