

## Special Issue

# T-cell Immunity and Cancer Immunotherapy

### Message from the Guest Editors

The last decade has witnessed immense progress in cancer therapy, particularly in the field of immunotherapy and the therapeutic potential of the immune system. Much of this progress is attributed to check-point inhibitors targeting the PD-1-mediated exhaustion in T cells. The key reason that neoplasia cells, leading to cancer, are able to establish themselves and progress is their ability to evade the multi-layered immune surveillance mechanisms. Cytotoxic T cells are rendered dysfunctional after chronic exposure to antigen. Dysfunctional T cells, with decreased proliferative capacity, loss of effector function, and overexpression of inhibitory receptors are thus unable to respond to stimulatory cues. One of the main foci in the field of immunotherapy is to harness the potential of T cells to clear cancers. Checkpoint blockades, adoptive T-cell therapy and CART-cell immunotherapies are based on reinvigorating T-cell effector function. The aim of this Special issue focuses on bringing together a collection of high-quality research providing further insight into T-cell biology and novel findings that can impact the endeavor to improve cancer immunotherapy.

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### Guest Editors

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### Deadline for manuscript submissions

closed (31 December 2023)



## Vaccines

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Ralph A. Tripp

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