

## Special Issue

# Cytokines and Cytokine Receptors in Inflammation and Immunity

### Message from the Guest Editors

Cytokines are a diverse group of cell-signaling soluble factors that play a key role regulating inflammation and immunity. The biology of cytokines can be very elusive since their expression is highly controlled and usually brief. Moreover, they can act at different ranges (autocrine, paracrine, and endocrine signaling) and on multiple cells with contrasting outcomes (activation, proliferation, or differentiation). Furthermore, cytokine function is strongly impacted by the cellular and molecular context. Cytokine signaling is contingent on the expression of cognate cytokine receptors in the responding cells, which are often formed by more than one polypeptide chain. Interestingly, cytokine receptor chains can be shared by different cytokines. Research into cytokines and cytokine receptors has an enormous translational potential. In this Special Issue, we invite contributions on any aspect related to the biology of cytokines and cytokine receptors including, but not limited to, signaling, gene expression and regulation, structure, homeostasis, physiopathology, and clinical applications.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 July 2025)



## 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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