

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

Dr. Pedro A. Reche

Laboratory of Immunomedicine, Department of Immunology & O2, School of Medicine, Complutense University of Madrid, Pza Ramon y Cajal, S/N, 28040 Madrid, Spain

Dr. Vassili Soumelis

Owkin, FranceOfficer, Paris, France

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Vaccines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
vaccines@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Ger Rijkers

Department of Health, Cognition and Behavior, University College
Roosevelt, 4331 CB Middelburg, The Netherlands

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