

Special Issue

Complement System as a Therapeutic Target

Message from the Guest Editor

The complement system, the humoral arm of the innate immune system, plays a central role in antimicrobial defense and tissue homeostasis. Since its first description by Bordet and Ehrlich in the late 1890s, thousands of papers and hundreds of reviews detailed the structure and function of >30 soluble and membrane-bound complement proteins, activation pathways and scores of diseases wherein complement deficiency or undesirable activation are involved in the pathogenesis. For the latter cases, inhibitors of activation at different steps in the chain reaction provide promising therapeutic options, as shown by the preclinical and clinical trials with > 20 drug candidates to date. One goal of this volume is to focus on these approved, currently tested or failed complement inhibitors, whatever public information can be shared by those involved in their development. In addition, the volume gives space to articles dealing with naturally occurring complement inhibitors. Original research data or comprehensive reviews on new developments in complement inhibition are also welcome, to make this volume represent the state-of-the-art in the field.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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