

Special Issue

CD5 and CD6 Immunobiology: Multitask Immunomodulatory Molecules in Infection, Cancer and Autoimmunity

Message from the Guest Editors

Despite being among the first lymphocyte surface receptors identified thanks to the advent of monoclonal antibody technology, the immunobiology of CD5 and CD6 still remains incompletely understood. Both molecules were shown to be physically associated with antigen-specific clonotypic receptor complexes from T (TCR/CD3) and B1a (BCR) cells and capable of fine-tuning (either negatively or positively) the activation and differentiation signals mediated by such relevant receptors. On the other hand, we later learned that CD5 and CD6 expression also extend to other quantitatively minor but functionally relevant cell subsets (e.g., macrophages, dendritic cells, NK cells) and that the interacting partners of CD5 and CD6 include not only endogenous counterreceptors but also conserved pathogen-associated structures of bacterial, parasitic, fungal, or viral origin. For this Special Issue, we invite submissions on recent advances in the immunobiology of CD5 and CD6 receptors relevant to the pathophysiology and treatment of infectious, neoplastic, and autoimmune disorders.

Guest Editors

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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