



Novel Insights into Monoclonal Antibodies in Disease

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Message from the Guest Editor

Dear colleagues,

monoclonal antibodies have revolutionized the treatment landscape of hematological diseases. Emerging research has shed light on the potential of combining monoclonal antibodies with other treatment modalities such as immune checkpoint inhibitors, CAR-T cell therapy and small-molecule inhibitors to enhance efficacy and overcome resistance mechanisms. Moreover, the advent of antibody–drug conjugates (ADCs) has expanded the therapeutic arsenal by enabling targeted delivery of cytotoxic agents specifically to malignant cells, minimizing off-target effects. Additionally, recent discoveries in immunogenetics and tumor microenvironment biology have elucidated new antigenic targets and mechanisms of immune evasion, paving the way for the development of next-generation monoclonal antibodies with enhanced specificity and potency. These insights underscore the dynamic landscape of monoclonal antibody research in hematological diseases.

This Special Issue will provide new insights into monoclonal antibodies. The Special Issue is supervised by Dr. Eleni Gavrilaki and assisted by our Topical Advisory Panel Member Dr. Christos Varelas (from G. Papanicolaou Hospital).





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