

Special Issue

Monoclonal Antibodies to Treat Cancer

Message from the Guest Editors

Monoclonal antibodies (mAbs) are a unique type of targeted drugs, which have transformed the therapeutics of cancer.

The tremendous impact and success of mAbs in cancer management are based on their specificity and selectivity for specific antigens either soluble or on the surface of target cells. MABs mainly target and destroy cancer cells by interrupting specific oncogenic cell signaling, inducing apoptosis or carrying a conjugated drug, toxin, or radioactive substance. One of the most successful applications of mAbs is to empower the immune system to eradicate cancer cells. With advances in methodological and production techniques, significant improvements are expected in this class of medication including, but not limited to, bi-, tri- or multispecific mAbs, newer antibody–drug-conjugates (ADC), antibody-targeted nanoparticles, and single-domain antibodies (sdAb).

This Special Issue will cover all aspects of monoclonal antibodies regarding their role in cancer treatment, recent advances in immunotherapy of cancer using mAbs, and upcoming antibody products that are being investigated for cancer treatment.

Guest Editors

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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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