



Advances in Antibody–Drug Conjugates

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Message from the Guest Editor

Dear Colleagues,

Antibody–drug conjugates (ADCs) represent a significant advance in cancer treatment by combining the specificity of antibodies with the potency of highly cytotoxic agents. This targeted strategy has the potential to reduce the severity of side effects by preferentially delivering the therapeutic payload directly to the tumor site, with ADCs sometimes referred to as ‘precision chemotherapy’. As our understanding of tumor biology deepens and ADC design improves, we are moving closer to effective, safe, and personalized cancer therapies. Numerous innovative ADC formats are being developed, including bispecific ADCs, dual-drug ADCs, conditionally active ADCs, immunostimulatory ADCs, and antibody–siRNA conjugates. Each of these formats offers unique capabilities to tackle a range of cancer treatment challenges, bringing new hope to patients with difficult-to-treat cancers.

This Special Issue will cover all aspects of the roles and mechanisms of ADC therapeutics in cancer and non-oncology indications, focusing on recent advances in the ADC platform and technology, including targets, antibody selection, payload, and linker and conjugation chemistry.





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Message from the Editor-in-Chief

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