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Therapeutic Strategies to Target Cancer Neoantigens

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Message from the Guest Editor

The success of cancer immunotherapy relies on a patient T-cells-recognizing antigens derived from tumor-specific mutations, which then attack the antigen-presenting cell. Accumulating evidence suggests that clinically efficacious cancer immunotherapies are driven by T-cell reactivity against DNA mutation-derived neoantigens. However, among the large number of predicted neoantigens, only a minority are recognized by autologous patient T cells, and strategies to broaden neoantigen-specific T-cell responses are therefore attractive. We propose to summarize current and emerging strategies to improve neoantigen presentation, identification and targeting.













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