

Tissue Engineering, Stem Cells and Regenerative Medicine

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Next generation of cell based therapies for cancer

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Cell-based therapies are emerging as a promising strategy to tackle cancer. Multiple cell types (T cells, stem cells and cancer cells) have been shown to exhibit inherent tropism towards tumors. Moreover, when engineered to enhance their homing capability and to release therapeutic agents,

these cells effectively target sites of malignancy. This keynote considers the current status of cell-based treatments for cancer and provides a rationale for translating the most promising preclinical studies into the clinic.

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