

# **Unraveling the hidden realm of tumor-reactive T cells through biomimetic materials engineering**

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The induction or introduction of tumor-reactive T cells through cancer vaccines or cellular therapy has immense therapeutic impact against oncological diseases. However, several biological barriers impede effective T cell induction and discovery of tumor reactive T cells. The present talk introduces two biomimetic materials, namely a hollow nanoshell system and a cellular polymerization technology, for improving identification and activation of tumor-reactive T cells, opening new venues for cancer immunotherapies.