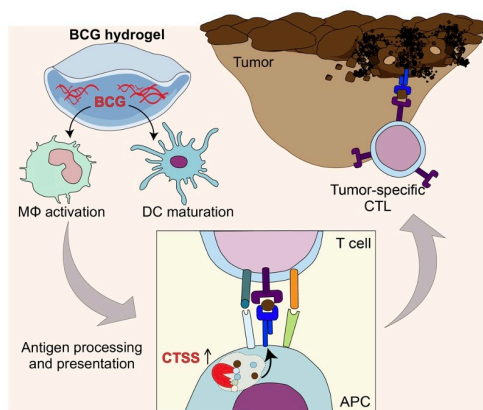


BCG hydrogel promotes CTSS-mediated antigen processing and presentation, thereby suppressing metastasis and prolonging survival in melanoma



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In Brief

We are the first to formulate a BCG lysate-containing hydrogel (BCG hydrogel) that reduces the metastatic potential of B16F10 melanoma and increases survival of tumor-bearing mice. BCG hydrogel promotes cathepsin S (CTSS) activity in macrophages and dendritic cells, resulting in enhanced antigen processing and presentation of tumor-associated antigens.