Graphical Abstract

Nanoemulsion adjuvantation strategy of tumor-associated antigen therapy rephrases mucosal and immunotherapeutic signatures following intranasal vaccination

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Nanoemulsion adjuvantation can facilitate the transportation of antigen across mucosal membrane to the nasal-associated lymphoid tissue, thereby rephrasing the immunotherapeutic signatures and improving the efficacy of tumor-associated antigen therapy against in situ and metastatic tumors.