STING agonism overcomes STAT3-mediated immunosuppression and adaptive resistance to PARP inhibition in ovarian cancer

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In Brief
STAT3-mediated enrichment of pro-tumor macrophages induced by PARP inhibition eventually renders PARP inhibitor resistance in BRCA1-deficient ovarian cancer. STING agonism overcomes STAT3-mediated immunosuppression and adaptive resistance to PARP inhibition in ovarian cancer by reprogramming myeloid cells in the TME.