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"**Metabolism Drives Therapy Resistance Crosstalk Mechanisms and Shapes Tumor Cell Identity**"

- Tumors exist as a complex environment with dynamic metabolic interactions between various cell populations.
- Macrophages that are polarized by cancer cells provide chemoresistance through release of pyrimidine nucleosides, and inhibit cytotoxic T cells through arginine depletion.
- Cancer cells are metabolically heterogeneous and can provide support across populations through metabolite exchange.
- Promotion of oncometabolism promotes transdifferentiation and tumorigenesis