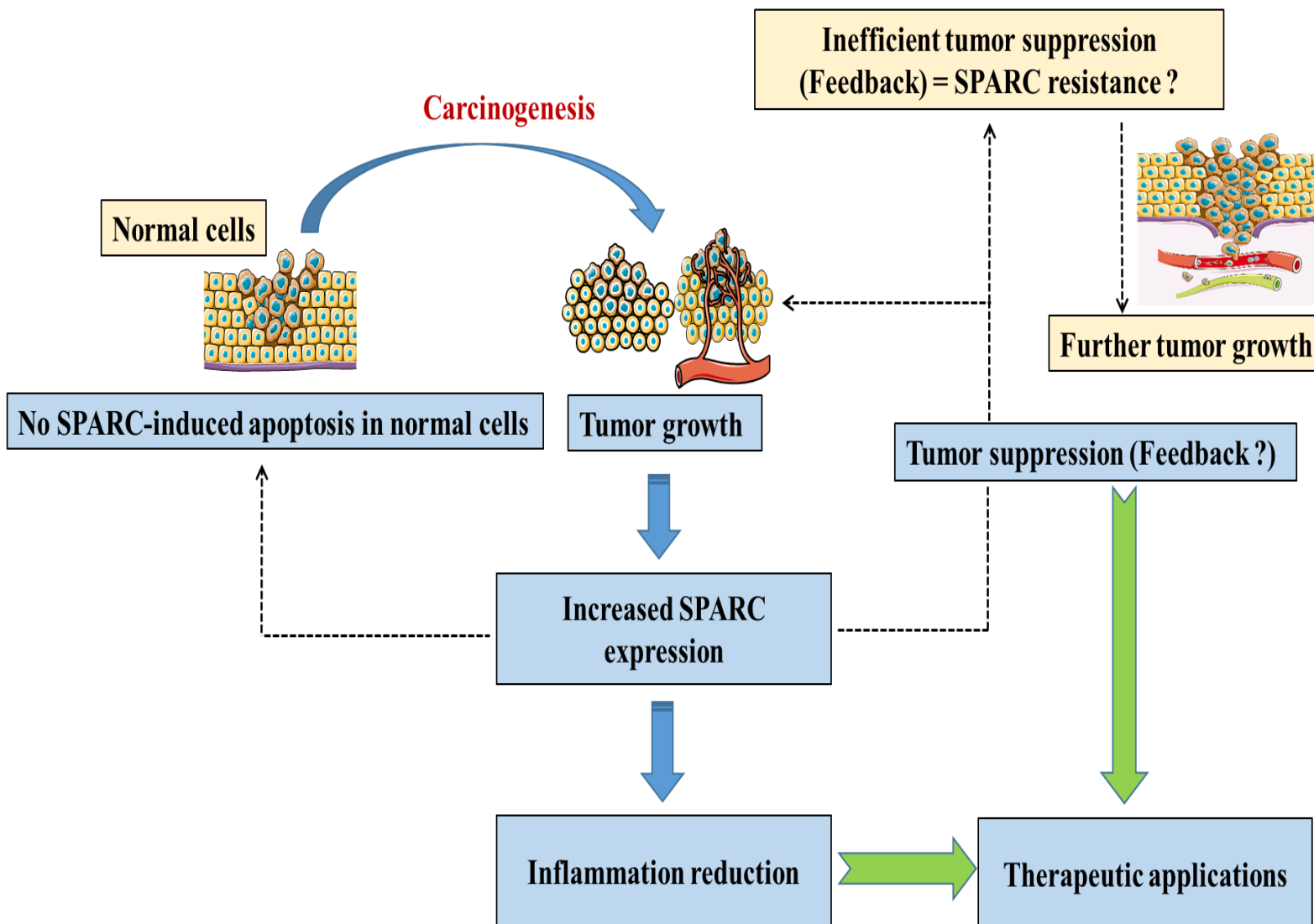


## Potential homeostatic properties of secreted protein acidic and rich in cysteine (SPARC) in cancer ?



SPARC is overexpressed during tumors growth. This glycoprotein has a tumor suppression ability but no apoptotic effect on normal cells (specificity).

In addition, the inhibitory properties of SPARC towards cancer development could be further explored, especially that SPARC induces apoptosis in cancer cells but not in normal cells which would increase the safety of an antitumor therapy based on SPARC-related pathways (improved pharmacovigilance).

However, a possible “SPARC resistance” and/or other changes in cancer-related growth factors could limit the inhibitory effects of SPARC towards cancer tissues.

**Reference:** Ghanemi et al. Cytokine 127 (2020) 154996 (PMID: [31955132](https://pubmed.ncbi.nlm.nih.gov/31955132/))