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Modeling triple-negative breast cancer heterogeneity: effects of stromal macrophages, fibroblasts and tumor vasculature

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Highlights

- Modeled the complex interplay between breast cancer stem cells, cancer progenitor cells, macrophages, fibroblasts, and endothelial cells.
- Increasing stromal influence on individual cancer cell proliferation decreases overall tumor growth.
- Even small numbers of macrophages increase overall tumor growth.
- Increasing macrophage infiltration rate has varying effects on tumor growth.

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