

Tumor Angiogenesis & Nanobiotechnology and Drug Delivery

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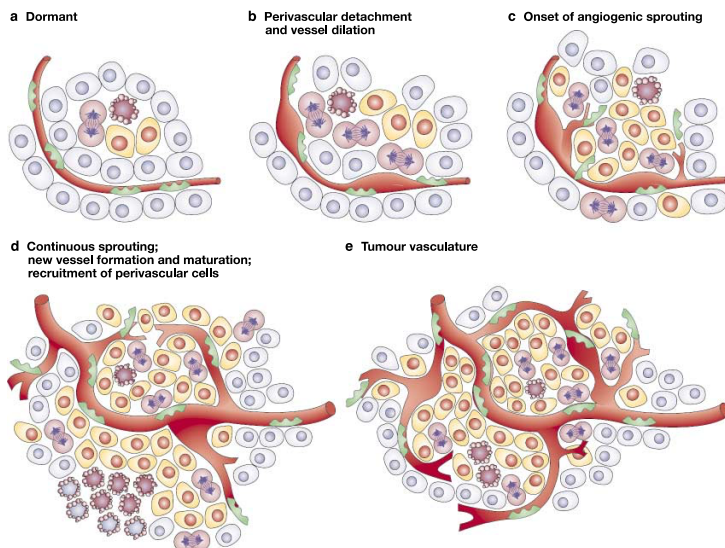
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Tumor Angiogenesis

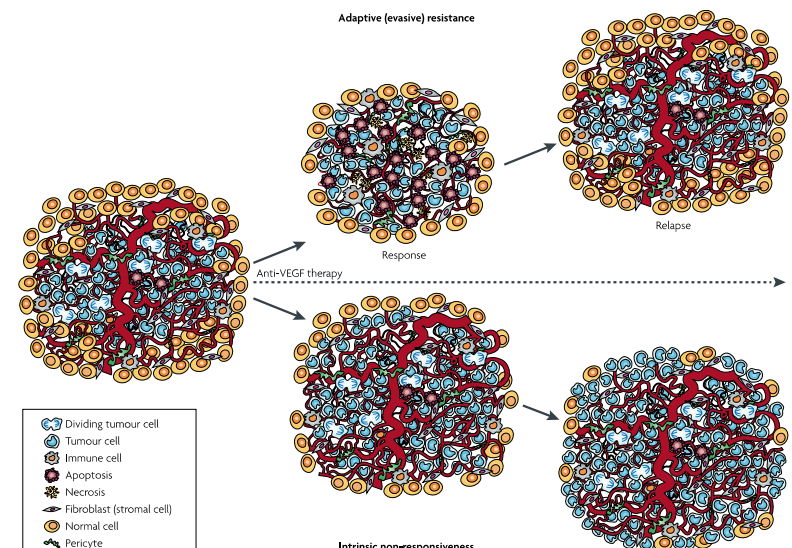
To understand the molecular mechanisms and signaling of cancer progression and angiogenesis

- Solid tumors
- Cancer and endothelial cell biology
- Molecular targets for biomarkers and cancer therapeutics

Blood vessel formation



Modes of resistance



DNA Nanotechnology for Biosensors and Drug Carriers

To develop nanocarriers for detection and drug delivery

- Aptamers targeting specific cancer cells
- DNA nanoparticles

