

Deconvolving the epigenome by learning from the transcriptome

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AAAS WACHTEL PRIZE ESSAY

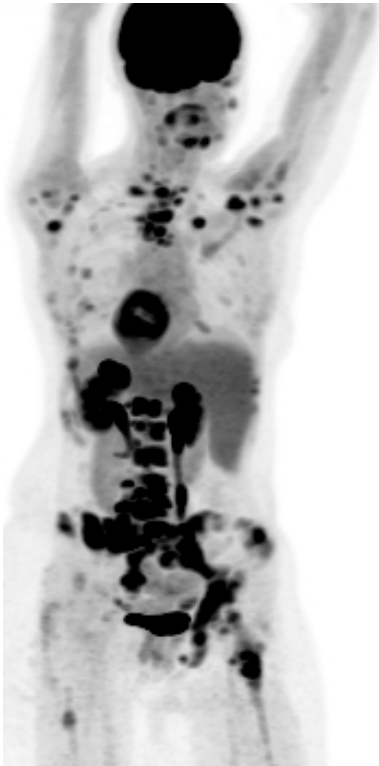
Charting the “unknown unknowns” of cancer progression

Hani Goodarzi^{1,2,3}

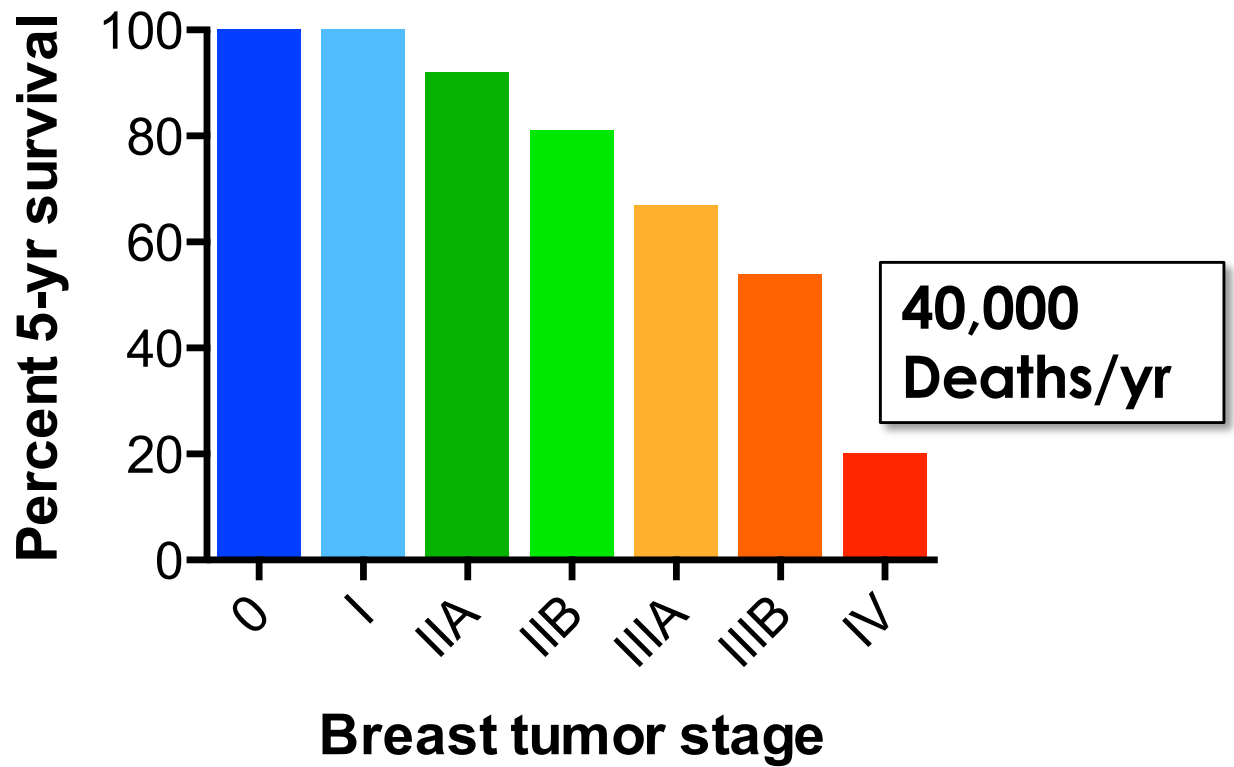
Integrated computational and experimental strategies reveal previously unknown regulatory programs underlying metastatic disease.

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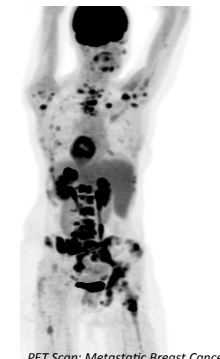
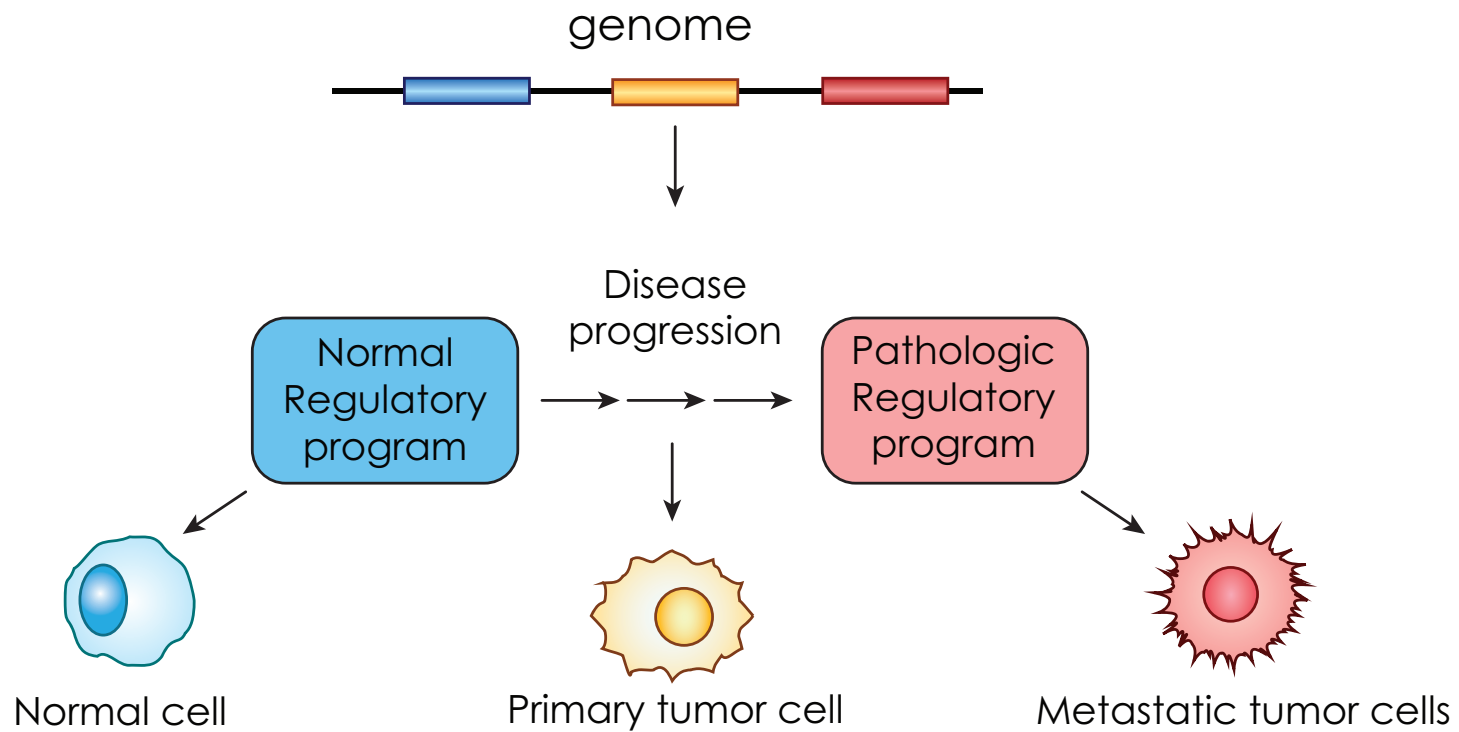
Focus on metastasis



PET Scan: Metastatic Breast Cancer

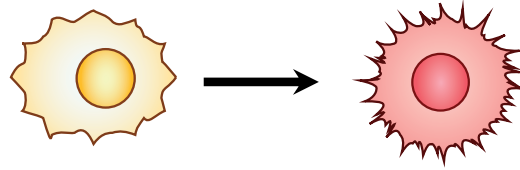


Regulatory genome and cancer

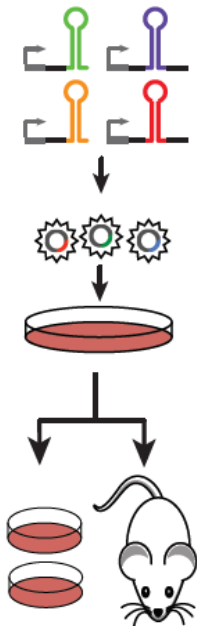


PET Scan: Metastatic Breast Cancer

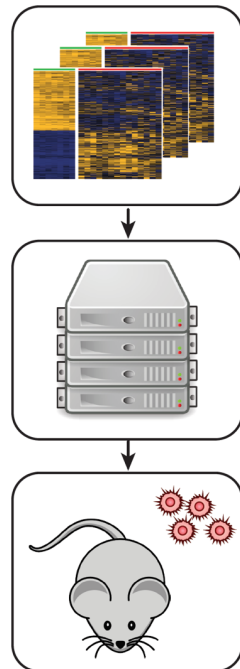
Unbiased approaches for studying cancer progression



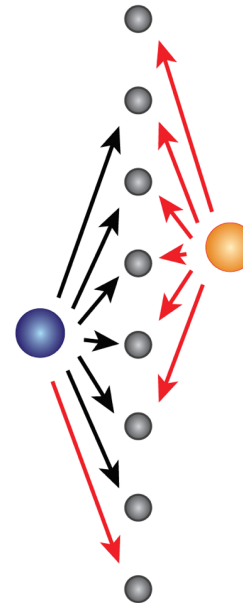
Functional
Genomics



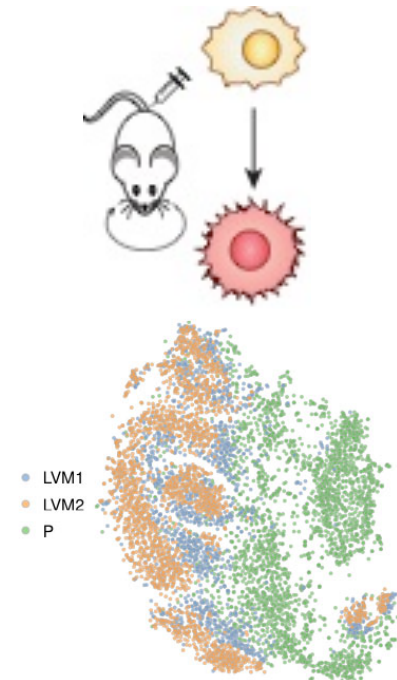
Deciphering
RNA dynamics



Regulatory
Re-wiring



Tumor evolution
Microenvironment



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