Patient derived network biomarkers Patient derived tumor xenografts Tyrosine kinase TCGA cancer interactome patients omics data drug response data omics data Validate approach Vehicle Network biomarker Time (days)

Does networks predict drug response

in PDX models?

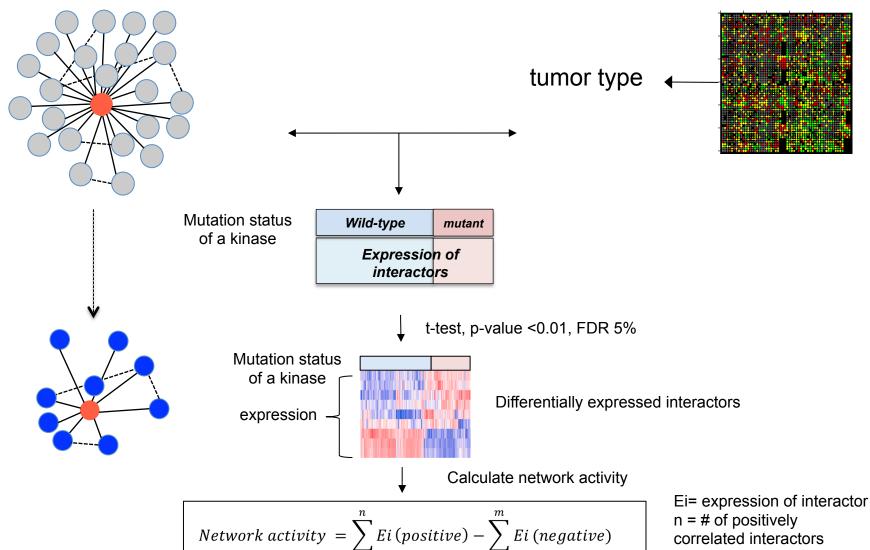
Personalized

cancer therapy

Network-biomarkers to stratify patients according to oncogenic pathway activation

Interaction map of a kinase

TCGA: gene expression



correlated interactors m= # of negatively correlated interactors