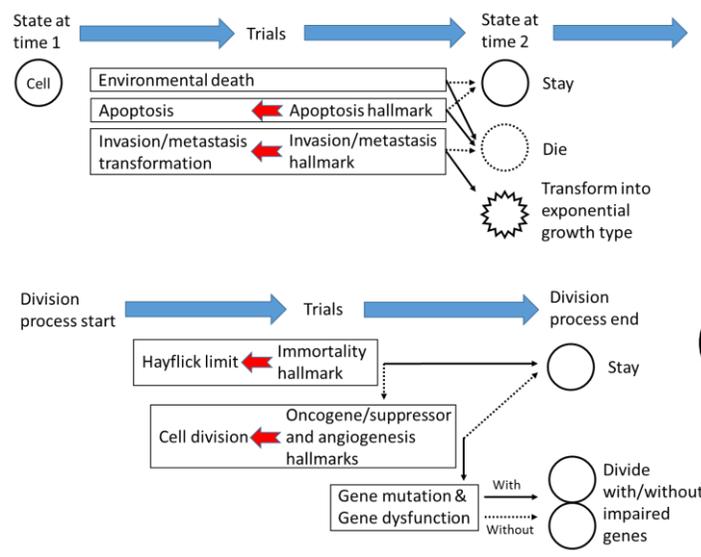


Simulation-based personalized medicine

Statistics-based (incl. AI) personalized medicine

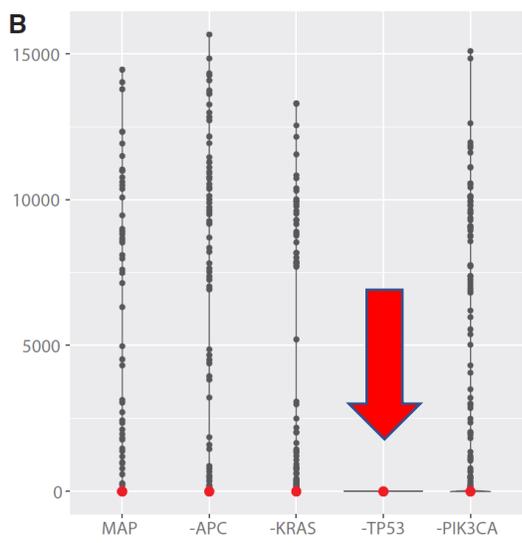
tugHall



Complementary



Predicted # of metastatic cells

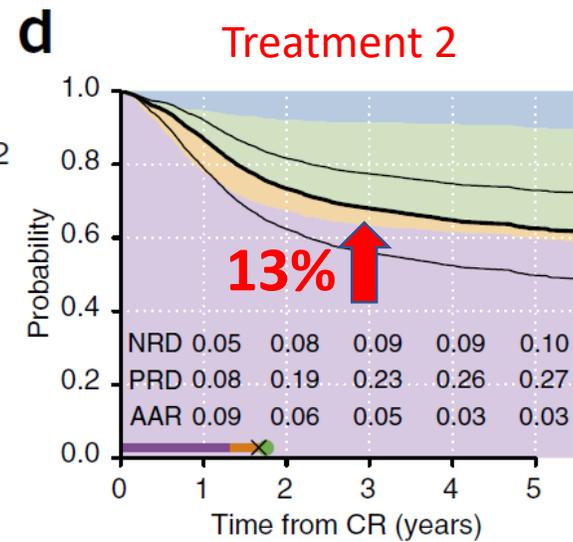
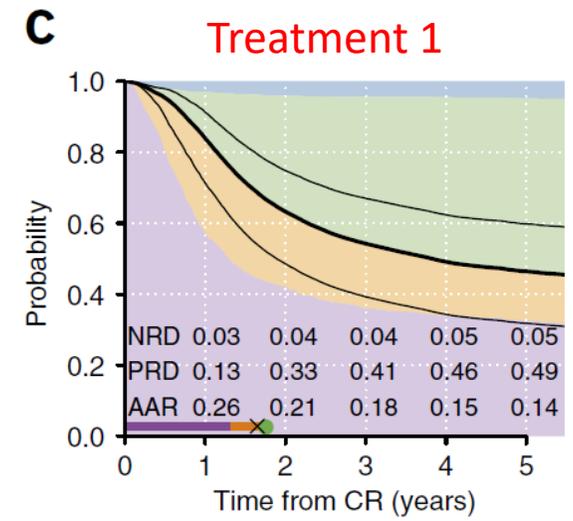


Patient:
TCGA-COAD
73-year-old
Male

APC,
KRAS,
TP53,
PIK3CA

Patient:
PD8314a

49-year-old
Male
NK
NPM1,
DNMT3A,
IDH1



(Nagornov and Kato, 2020, *Bioinformatics*)

(Gerstung et al, 2017, *Nat Genet*)