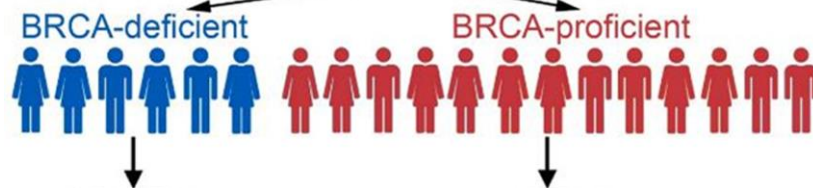
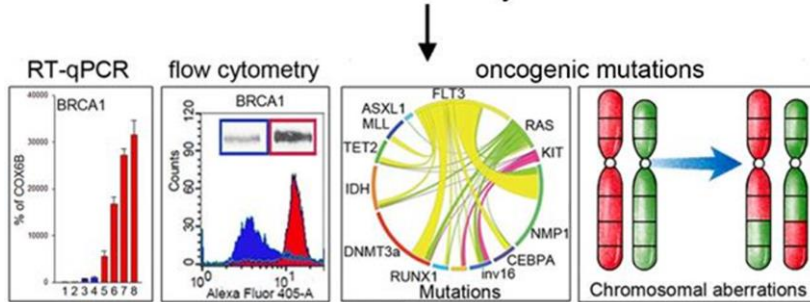


Exploiting synthetic lethality to personalize treatment of leukemia

Impact: use of Gene Expression and Mutation Analysis (GEMA) to direct effective leukemia treatment



Personalized medicine-guided treatment

Our findings:

- Patient-specific defects in DNA-repair lead to distinct therapeutic vulnerabilities

Implications:

- Molecular analysis of leukemia mutations - mediated modulation of DNA repair activities enables patient-oriented synthetic lethality therapy
- Potential for improved therapeutic efficacy and less toxicity in an extremely challenging disease



Tomasz Skorski, Professor and Director, Fels Cancer Institute for Personalized Medicine

Recent publications:

Blood 2017; *JCI* 2017; *Blood* 2018; *Cell Rep.* 2018, 2020;

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