

## Stellingen

1 To increase the number of breast cancer patients who can benefit from PARP inhibition, a well validated test that functionally identifies HRD tumors beyond *BRCA1/2* defects is of great importance. (this thesis)

2 Tissue-based functional assays can measure for every individual patient the response of their tumor cells in tissue context to a given therapy. This is likely to be a more accurate approach for predicting therapy response than static biomarkers that rather represent a snapshot of tumor biology. (this thesis)

3 Functional diagnostics is feasible using only minute tissue samples. (this thesis)

4 Because RECAP determines HR capacity functionally at the moment the tissue is acquired, reversion of the HR status can be detected. (this thesis)

5 In order to identify the ultimate HRD test, ideally different types of HRD tests should be compared head to head for their potential in predicting meaningful clinical benefit from PARP inhibitors. (this thesis)

6 Genes load the gun, and environment pulls the trigger. (Elizabeth Blackburn, *The Telomere Effect: A Revolutionary Approach to Living Younger, Healthier, Longer*, 2017)

7 Phenotype is dominant over genotype (Mina Bissell, *Biochemical Society Transactions*, 2007)

8 The longer women breast feed, the more they are protected against breast cancer. (Collaborative Group on Hormonal Factors in Breast Cancer, *Lancet*, 2002)

9 We do not inherit the earth from our ancestors. We borrow it from our children. (Native American Proverb)

10 Soms denk ik uren na en heb ik nog niks op papier, een andere keer bereik ik precies datzelfde in 5 minuten. (Herman Finkers)

11 Sidi tamentis, astuentis pactem! (Opa Piet)