## **Propositions**

## accompanying the thesis

Unravelling the Link Between Cancer, Cognition, and Dementia

Causes, biomarkers, and methods

## This thesis

- 1. Cancers that are not confirmed by pathology should be considered in cancer statistics and cancer research.
- 2. Cognitive function and brain structure are not affected prior to clinical manifestation of cancer, suggesting that the impact of cancer itself on the brain is limited.
- 3. Studying preclinical stages of diseases can be an adequate method to reduce effects of selection bias.
- 4. Cancer and dementia are not inversely associated. From a biological perspective, we should further explore a positive relation between these two diseases.
- 5. Inflammation is an important mechanism underlying cognitive problems in non-central nervous system cancer patients and should therefore be the focus of prevention and intervention studies.

## **Beyond this thesis**

- 6. A confidence interval that includes the null-value does not imply that there is no association.
- 7. Epidemiologists and statisticians should spend more time together.
- 8. As long as meat companies are partners of the American Cancer Society, we will not know the true association between meat consumption and cancer.
- 9. Once you stop learning you start dying Albert Einstein.
- 10. On ne voit bien qu'avec le cœur. L'essentiel est invisible pour les yeux Antoine de Saint-Exupéry in Le Petit Prince, 1943.
- 11. We girls can do anything Parlie, 1985.

Kimberly Dieudonnee van der Willik, Rotterdam, February 9, 2021