Stellingen behorende bij het proefschrift

DECIPHERING CELLULAR HETEROGENEITY of the BRAIN
Implications for neurodegenerative diseases

1. Brain macrophages show heterogeneous responses to multiple sclerosis pathology (this thesis).

2. Microglia nuclear transcriptomes are an alternative to cellular transcriptomes (this thesis).

3. Microglia show distinct responses to different neuropathological hallmarks of Alzheimer's disease (this thesis).

4. Neurovascular unit dysfunction is the most prominent feature in end-stage *GRN*-associated frontotemporal dementia and should be the prime target for future studies (this thesis).

5. One should not be too biased in validating their hypotheses. When keeping an open mind and study design, science may surprise you.

6. It is important to be aware and critical of data quality and confounding factors when interpreting scientific data (this thesis).

7. "If the human brain were so simple that we could understand it, we would be so simple that we couldn't." - Emerson Pugh

8. "Nothing in life is to be feared, it is only to be understood. Now is the time to understand more, so that we may fear less." – Marie Curie

9. It is never a good time for a setback, but we can only appreciate the miracle of a sunrise after waiting in the darkness.