

## Stellingen

“Differential Simple Spike Activity in Alert Mice”

1. Simple spike firing rate is different between zebrin-positive and -negative zones, i.e. cerebellar modules. (this thesis)
2. Blocking TRPC3 attenuates the simple spike rate difference between cerebellar modules. (this thesis)
3. Occurrence of long simple spike pauses ( $> 500$  ms) is not a common feature to represent the firing property under physiological conditions. (this thesis)
4. Learning in VOR gain increase correlates with changes in simple spike modulation depth. (this thesis)
5. Purkinje cell firing properties are altered in mouse models of Alzheimer’s disease and autism. (this thesis)
6. Everything is different.
7. Anyone who has never made a mistake has never tried anything new. –Albert Einstein
8. One should always work on something you are really passionate about.
9. Only those who attempt the absurd can achieve the impossible. –Albert Einstein
10. Science is always wrong. It never solves a problem without creating 10 more. –George Bernard Shaw
11. 车到山前必有路，船到桥头自然直。–中国民间谚语  
There is always a way to go in the end. –Chinese proverbs