

Stellingen

behorende bij het proefschrift:

'Cerebellar Involvement in Ataxia and Generalized Epilepsy'

1. Cerebellar neurodegeneration is not a prerequisite for the development of ataxia (this thesis).
2. The cerebellar nuclei are heavily involved in generalized epilepsy (this thesis).
3. Silencing cerebellar output disrupts thalamocortical network activity, as shown by an increase in the occurrence of generalized spike-and-wave discharges in mice experiencing absence epilepsy (this thesis).
4. It seems unlikely that the modulated action potential firing of cerebellar nuclei neurons during generalized spike-and-wave discharges, is solely due to Purkinje cell activity, even though the majority of synaptic contacts formed on cerebellar nuclei neurons originate from Purkinje cells (this thesis).
5. An increase in frequency and regularity of cerebellar nuclei neuronal action potential firing greatly reduces the occurrence of generalized spike-and-wave discharges through a decrease in burst-firing in thalamic neurons (this thesis).
6. The cerebellar nuclei form a better target than the cerebellar cortex for neurostimulation in generalized epilepsy (this thesis).
7. Experiments can be very rewarding if they work but highly frustrating if they don't.
8. Science is a wonderful thing if one does not have to earn one's living at it (Albert Einstein).
9. Science, in the very act of solving problems, creates more of them (Abraham Flexner).
10. Niks werkt zonder duct tape (Freek E. Hoebeek).
11. Caffeine, cats, cigarettes and music were essential to completing this thesis.