

Stellingen behorend bij het proefschrift

Excitation and Excitability of Unipolar Brush Cells

- [1] Mossy fiber activity in the granular layer of the nodulus can be forwarded through cascaded unipolar brush cells. (*This thesis*)
- [2] Temporal integration of AMPA receptor-mediated slow EPSCs in unipolar brush cells occurs in accordance with the glutamate-entrapment hypothesis. (*This thesis*)
- [3] The time-to-peak of the AMPA receptor-mediated slow EPSC in unipolar brush cells is variable and depends on the frequency of presynaptic activity. (*This thesis*)
- [4] Biphasic EPSCs of unipolar brush cells can be simulated by slowing down the spread of glutamate in a numerical model of the synaptic cleft. (*This thesis*)
- [5] While subthreshold input responses in unipolar brush cells are highly nonlinear, suprathreshold input responses are broadly linear during time-varying somatic current injection. (*This thesis*)
- [6] Gering is het aantal minuten, zelfs seconden per dag dat het brein van de geleerde redelijk denkt. Oplossingen vindt hij in een flits: de rest van zijn denken is hetzij chaotisch, hetzij fout. (W.F. Hermans, *Antipathieke romanpersonages*)
- [7] If we teach only the findings and products of science (...) without communicating its critical method, the average person can not possibly distinguish science from pseudoscience. Both then are presented as unsupported assertion. (Carl Sagan, *The demon-haunted world*)
- [8] Where scientific publications refer to 'unpublished data', a reference to 'unpublishable data' would likely have been more accurate.
- [9] To properly interpret an article or book it is essential to understand the person(s) who wrote it.
- [10] Academic institutions should increase their use of open-source software for administrative tasks.
- [11] Some California Sequoia trees are so wide, it makes them look short.

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