

Propositions accompanying the thesis:

### **Neuromodulation of the Cognitive Cerebellum**

1. Working memory performance is not influenced by cerebellar transcranial direct current stimulation. (*this thesis*)
2. Modulation of either the prefrontal cortex or the cerebellum by transcranial direct current stimulation does not facilitate implicit category learning. (*this thesis*)
3. Sample size is a crucial factor in tDCS research. (*this thesis*)
4. Transcranial direct current stimulation (tDCS) may alter cerebellar oculomotor learning in a small sample. (*this thesis*)
5. In its current state, cerebellar tDCS is unable to alter cognitive performance in a robust manner. (*this thesis*)
6. Replication is the best statistic. – *Steve Hillyard*
7. Any measurement that you make without knowledge of the uncertainty is meaningless. – *Walter Lewin*
8. Swedish top students know statistically significantly less about the world than chimpanzees. The problem is not ignorance; it is preconceived ideas. – *Hans Rosling*
9. Happiness = Reality - Expectations. – *Tim Urbun*
10. The mediocre teacher tells. The good teacher explains. The superior teacher demonstrates. The great teacher inspires. – *William Arthur Ward*
11. Happiness is only real when shared. – *Christopher McCandless (Into The Wild, 2007)*