

Propositions

accompanying the dissertation

Cerebellar Contributions to Goal-Directed Behaviour

by

Hana Hasanbegović

1. The neocortex and cerebellum make up over 95% of the neurons in the brain, making their joint study paramount to revealing how the brain functions. - This thesis
2. The topography of cerebro-cerebellar connectivity is more complex than once argued. - This thesis
3. Preparation of voluntary movements depends on reciprocal communication between the frontal cortex and cerebellum. - This thesis
4. The midbrain PPN/MRN holds the starting gun for initiating voluntary, anticipated movements. - This thesis
5. The ponto-cerebellar feedback pathway facilitates propagation of cerebellar information between distinct functional modules. - This thesis
6. The division of the labour between the cerebellum and neocortex is best described by Daniel Kahnemann's (2011) 'thinking fast' and 'thinking slow', respectively.
7. The study of movement should go hand in hand with the study of thinking about movement.
8. Occasionally, simplicity reigns supreme, but an overabundance of it can paradoxically result in reduced effectiveness.
9. It is natural that the square does not understand the cube, it misses yet another dimension. - Edwin Abbott
10. Brain is mysterious. - @brainismysteri1, Twitter, 2018
11. Unpopular opinion: I'd rather have no coffee than bad coffee