

Propositions

1. Different cerebellar modules and networks exert synergistic roles in the preparation, performance, adaptation and consolidation of locomotion.
(this thesis)
2. Adaptation of compensatory eye movements is dependent on GluA3-containing AMPARs in Purkinje cells of the cerebellum.
(this thesis)
3. The GluA3 subunit is a major player in memory retrieval.
(this thesis)
4. GluA3-containing AMPARs play a central role in the A β -mediated deficits exhibited by Alzheimer's Disease.
(this thesis)
5. Lowering the neuronal or synaptic levels of GluA3-containing AMPARs may reduce the vulnerability of neurons for the detrimental effects of oligomeric A β in AD.
(this thesis)
6. (In the brain) "Nothing is lost, nothing is created, everything is transformed."
– Lavoisier
7. (The story of how memory and learning work becomes) "Curiouser and curiouser!"
– Alice in Wonderland
8. "Nothing great was ever achieved without enthusiasm."
– R.W. Emerson
9. "In the realm of ideas everything depends on enthusiasm; in the real world all rests on perseverance."
– Johann Wolfgang von Goethe

10. "Questions of science, science and progress, do not speak as loud as my heart."

– *The Scientist, Coldplay*

11. "It's opener, out there, in the wide, open air."

– *Dr. Seuss, Oh, The Places You'll Go!*