

1. The Basal Interstitial Nucleus represents a unique input pathway to the cerebellar cortex (in this thesis).
2. The metabolism of sphingolipids defines Purkinje cell fate in cerebellar pathologies (in this thesis).
3. Selective neurodegeneration of Purkinje cells in the *Atxn1*[82Q]/+ mouse is independent of AldolaseC protein expression (in this thesis).
4. Purkinje cell subtypes are not clearly delineated classes but exist on a continuum of variability of gene expression, electrophysiological properties, and long-range connectivity (in this thesis).
5. Fine anatomy of the nervous system remains a vast territory to explore (in this thesis).
6. Discreet changes create discrete networks.
7. "It is complicated." - Dick Jaarsma.
8. Open access experimental databases will expand universal knowledge at an exponential rate.
9. Good science does not require unlimited funding but methodology and elegant experimental design.
10. Teaching is the primary duty of whoever wants to be called scientist.
11. "To infinity and beyond" – Buzz Lightyear