Article Highlights

* Correlated Light and electron microscopy from larval zebrafish
* Electron microscopic reconstruction of neurons encoding for eye movement behavior
* Classification of neurons by axonal projections
* Planar organization of dendrites
* Synaptic connections between integrator cells

eTOC blurb

Network models have long hypothesized positive feedback as a means to obtain integration.

Reconstructing integrator neurons from serial electron microscopy, Vishwanathan et. al show that in the oculomotor integrator of the larval zebrafish this is infact the case.