

Interactive 3D PDF file of antennal lobe and glomerulus models

Surface models of the *Drosophila melanogaster* antennal lobe and the synaptic inventory of identified glomeruli: VA7, DL5 and DM2 can be viewed in a virtual 3D space. The digitized models are embedded in a PDF file for optimal visualization and understanding of their neuronal structures and in particular synaptic domains in the brain. Structures were segmented using TrakEM and imported as .u3D files into an Adobe Acrobat file.

The models are useful for understanding spatial relationships of neuronal architecture and are the basis for an extendable data repository of synaptic microcircuits in the antennal lobe.

Instruction for use of the interactive 3D PDF file

- open the interactive 3D PDF with Adobe Acrobat Reader
- check: click to activate the 3D view
- check: toggle model tree
- choose a pre-defined views of
 - DL5 glomerulus
 - DL5 and projection neurons PN1 and PN2
 - input- and output synapses of the PNs
 - axonal terminal of an putative olfactory sensory neuron (OSN)

