



**Cover legend:** This is a 3D rendering of one of the most complex neurons in the *Drosophila* larva brain called the anterior paired lateral neuron (green) as well as surrounding mushroom bodies (magenta).

The genotype of the larva was APL>mIFP/MB247>mCherry-CAAX and the data were acquired with a 40x oil objective. See the manuscript by Mancini et al. for a detailed account of the structure and connectivity of this neuron and data uncovering its role in reward learning (pages 7393–7428).

Cover art: Nino Mancini.

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