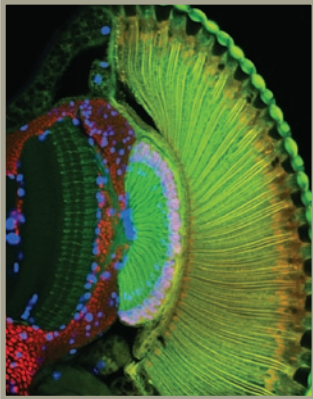
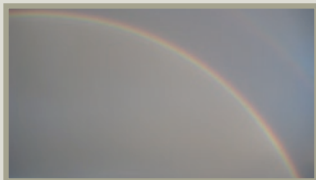


nature neuroscience



In *Drosophila*, R7 and R8 photoreceptors, which detect different wavelengths, form synapses in distinct medulla layers. The authors report that the interaction of Golden Goal and Flamingo (two cell-surface proteins involved in photoreceptor targeting) specifies synaptic-layer selection of photoreceptors. On the cover is a cross section of the adult fruit fly visual system, showing photoreceptor (green) axon projections to optic ganglions, which are surrounded by brain cells (neuronal nuclei in red and glia in blue). (p 314)

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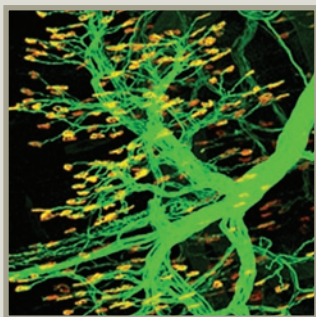
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