

Review of: "Synapse Weakening-Induced Caspase-3 Activity Confers Specificity to Microglia-Mediated Synapse Elimination"

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Potential competing interests: No potential competing interests to declare.

The study demonstrates a model where there is competition between strong/active synapses and weak/inactive synapses in the retinogeniculate pathway. This triggers caspase-3 activation in the postsynaptic compartments of weaker synapses. Signals activate microglia to selectively eliminate these weaker synaptic connections.

This is a thorough study; I commend the authors on their work. I think the authors used mouse models. It is not clear what the sex of the mice used was. I am interested to know if there were any sex differences?