

SPERMIDINE SUPPRESSES AGE-ASSOCIATED MEMORY IMPAIRMENT: PHENOMENON AND MECHANISMS?

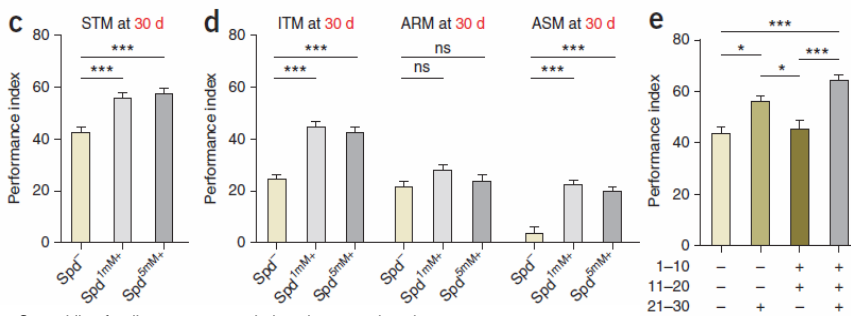
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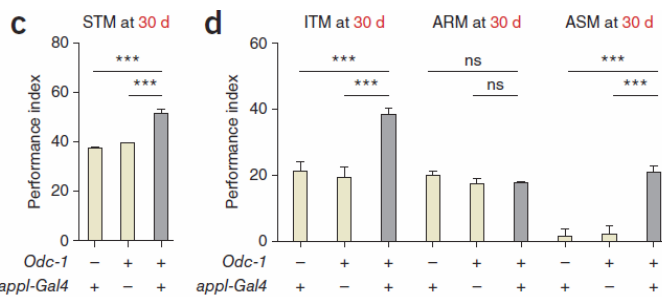
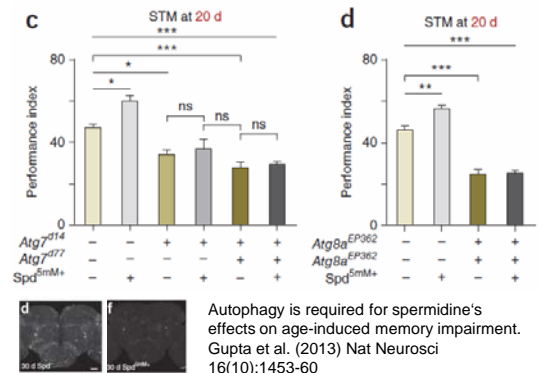
Prof. Dr. Stephan Sigrist
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Tuesday, 11.10.2016
09:00

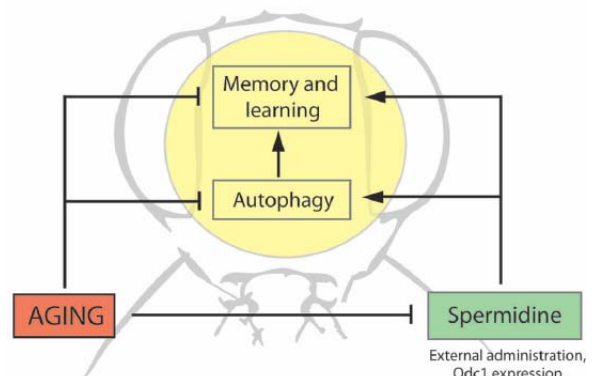
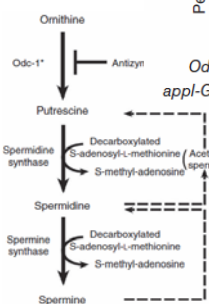
SR 45.12, ZMB, KFUG
(Humboldtstrasse 50, 1st floor)



Spermidine feeding rescues age-induced memory impairment.
Gupta et al. (2013) Nat Neurosci 16(10):1453-60



Brain-specific expression of Odc-1 is sufficient to suppress age-induced memory impairment.
Gupta et al. (2013) Nat Neurosci 16(10):1453-60



Age-dependent decline in brain polyamine levels results in impairment of memory performance in *Drosophila* that can be counteracted (i) pharmacologically by external spermidine or (ii) genetically by promoting polyamine synthesis.
Sigrist et al. (2014) Autophagy 10(1):178-9