

Neuroprotective Effects of Insulin Signaling Modulation in an Alzheimer's Model

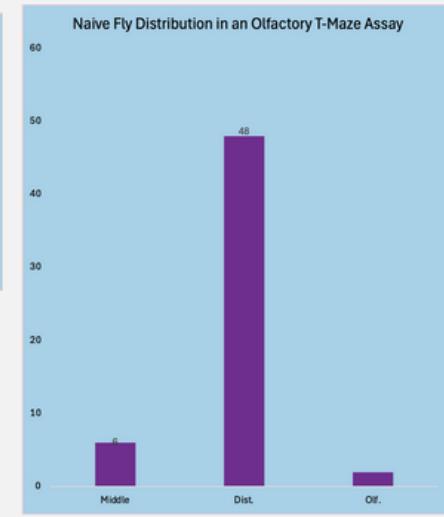
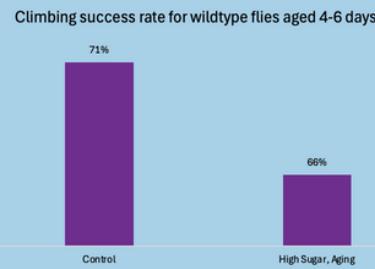
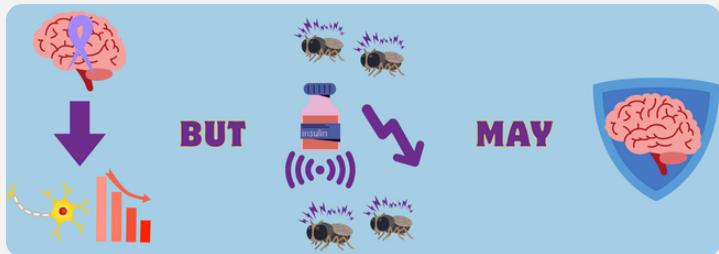
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RQ:

How does manipulating the ISP influence neurodegeneration in an AD model?

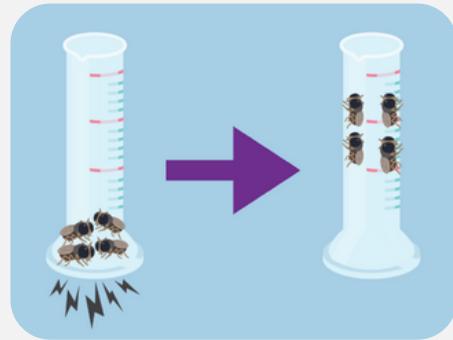
Hypothesis:

Hampering the ISP in D. melanogaster will reduce neurodegeneration in an AD model



2 Prop Z-Test For Proportions:
 $p=0.247$

Weaker ISP = Less Neuro-degeneration

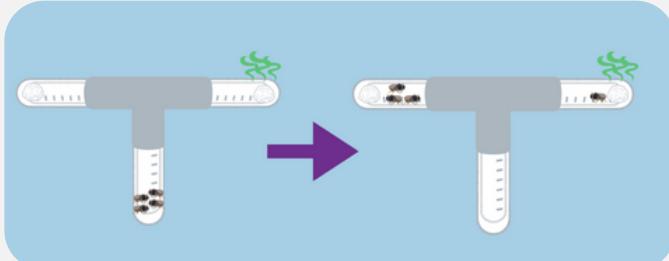


Climbing Assay

No statistically significant difference between flies aged 4-6 days with metabolic stress

Expected distribution of naïve flies in T-Maze assay established

TBI chosen as the AD model



T-Maze Assay