

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

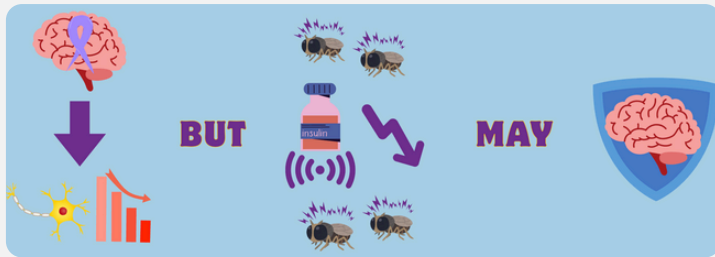
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RQ:

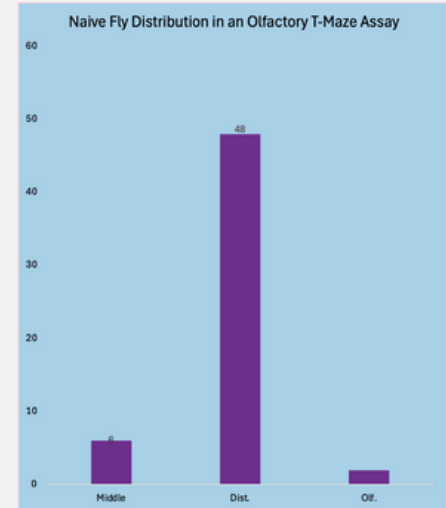
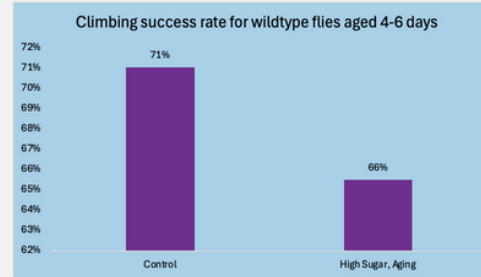
How does manipulating the ISP influence neurodegeneration in an AD model?

Hypothesis:

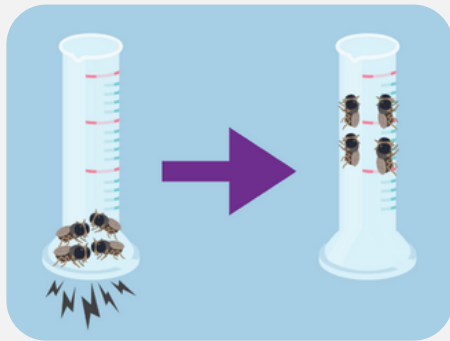
Hampering the ISP in *D. melanogaster* will reduce neurodegeneration in an AD model



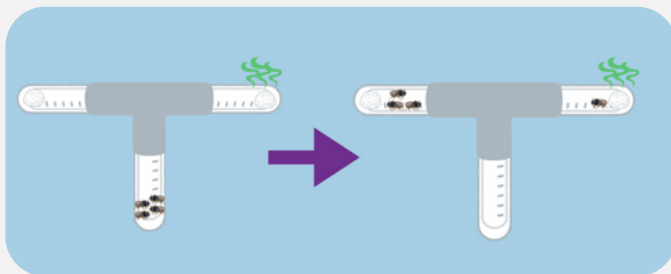
Weaker ISP =
Less Neuro-
degeneration



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



Climbing Assay



T-Maze 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