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Effects of the Byproduct of tomato processing on Aging in *Drosophila melanogaster*

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The **aim** of this work is the study of aging utilizing products derived from tomato-industrial waste in the model organism *Drosophila melanogaster*

Growing interest in sustainable and natural solutions

Reducing oxidative stress. Potential effects on preventing age-related diseases

Combatting free radicals

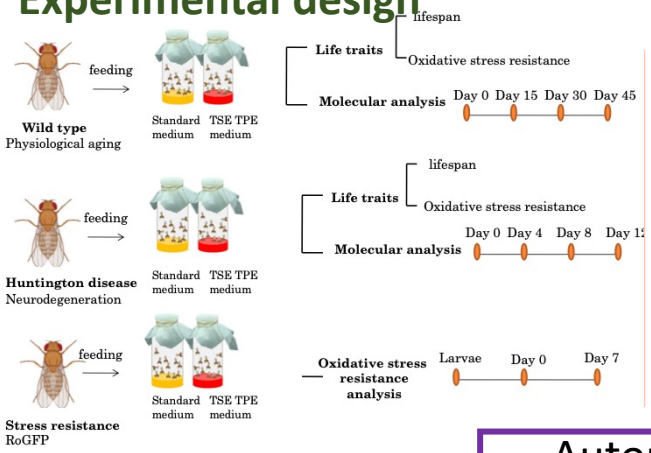
Bioactive compounds

Polyphenols flavonoids

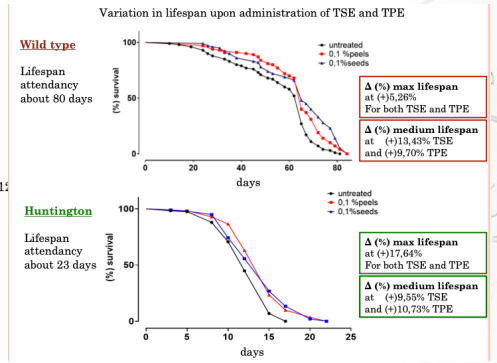
Study Models

Efficacy tested on cellular and animal models

Experimental design

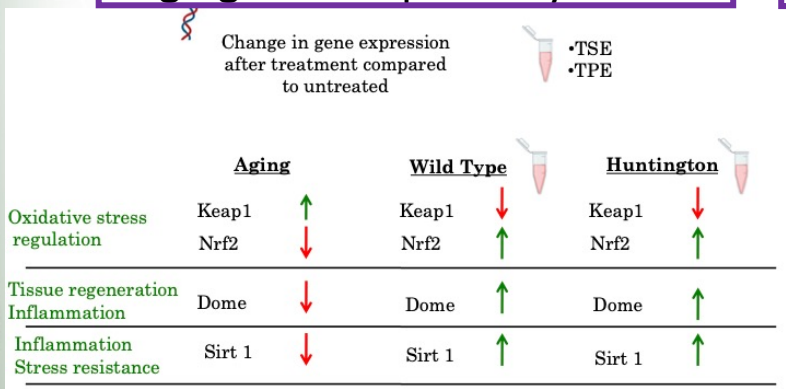


Lifespan

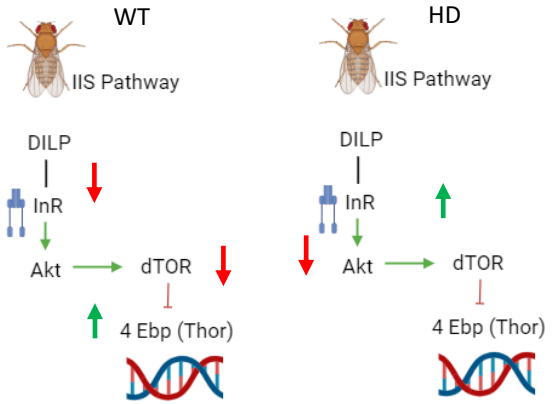


Molecular analysis

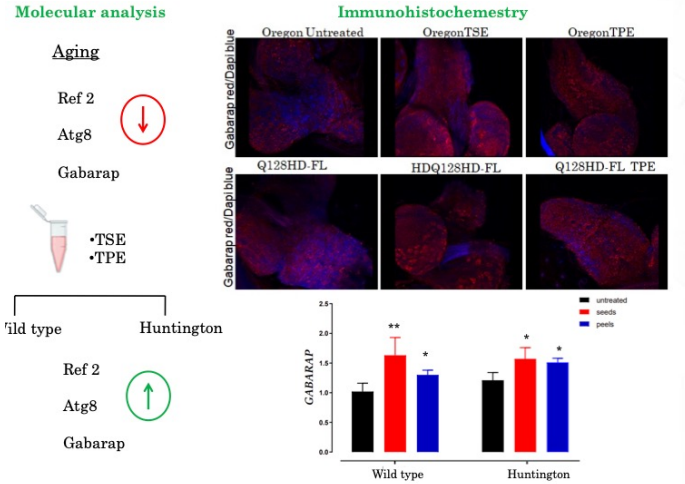
Aging related pathways



Insuline pathway regulation (IIS)



Autophagy regulation



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