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Ph.D Dario Riccardo Valenzano

Evolutionary and experimental biology of ageing: What can we learn from non-canonical model organisms



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Ageing

Life expectancy is a species-specific phenotype, and results from the complex interaction between the genome and the environment. Whereas two major molecular pathways have been identified in non-vertebrates, it is time to shed light on gene families that are specifically relevant to vertebrate ageing, such as those involved in stem cells maintenance, cancer and adaptive immunity!

To this end, Max-Planck Research Group leader Ph.D Dario Riccardo Valenzano developed a novel vertebrate model organism for ageing research. He focusses to answer the fundamental question of whether genes involved in modulating adult lifespan are under selection.

Ph.D Dario Riccardo Valenzano worked as Research Associate for Stanford University and got several Young Researcher Awards.

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