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# Sex and size matters: selection on personality in natural prey-predator interactions

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## Highlights

- Predation is a selective force driving personality variation.
- Male survival was lower than in females for high active individuals.
- Predation was linked to body size differently in females and males as larger size was advantageous for low active males and middle- and high-active females. Conversely, smaller size was advantageous for low-active females and middle-active males. Size did not affect survival in high-active males.
- Life history trade-offs drive personality differences

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