

Attentional capture by threat is independent of uni- versus multi-modal threat intensity

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There are several modes of attentional control that help us to focus on stimuli around us that signal either reward or threat in our environment to ensure one's survival. Value-driven attention is one such mechanism of attentional control that indicates that high-value yet task irrelevant stimuli automatically grab our attention as a result of reward learning (Anderson, 2011). Stimuli predictive of greater reward have a higher potential to attract attention, indicating that such attentional bias is value-dependent. This study aims to examine whether the threat level of an aversive-associated stimulus modulates attentional capture rate.



- Threat-induced attentional bias is independent of threat intensity, and that although multisensory integration augments
 perceived aversiveness, it does not potentiate attentional bias to threatening stimuli.
- Overall, threat intensity did not modulate the magnitude of attentional capture despite higher perceived aversiveness of the combined outcome.

Kim, H., & Anderson, B. A. (2019). Dissociable components of experience-driven attention. Current Biology, 29, 841-845.

Kim, H., & Anderson, B. A. (2020). How does the attention system learn from aversive outcomes? Emotion.