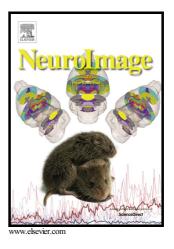
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Human ventromedial prefrontal cortex and the positive affective processing of safety signals

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Abstract

Human functional magnetic resonance imaging (fMRI) studies suggest that the

ventromedial prefrontal cortex (vmPFC) contributes to the learned discrimination of threat and safety signals, although its precise contribution to these processes remains unclear. One hypothesis is that the vmPFC supports the positive affective processing of safety signals linked to their implicit stress-relieving properties. We set out to test this hypothesis and to examine the specificity of vmPFC responses to safety signal processing versus its high level of 'default mode' activity. Sixty participants completed an fMRI conditioning task that involved the generation of a conditioning the term of a pre-conditioning the completion of a pre-conditioning the pre-conditioning the completion of a pre-conditioning the completion of a pre-conditioning the pre-cond

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