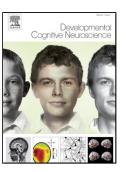
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Title: Evidence for the triadic model of adolescent brain development: Cognitive load and task-relevance of emotion differentially affect adolescents and adults



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ACCEPTED MANUSCRIPT

Mueller et al. Working memory for (ir)relevant emotion

Evidence for the triadic model of adolescent brain development: cognitive load and taskrelevance of emotion differentially affect adolescents and adults

Short title: Working memory for (ir)relevant emotion

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Highlights

- Little is known how emotion interacts with cognitive control in adolescents
- Adolescents and adults completed emotional working memory task during 3T fMRI
- Cognitive load interacted with emotion in adults but not adolescents in dlPFC
- Ventral striatum activity to happy faces was larger in adolescents relative to adults
- Under task relevance amygdala activation was stronger to happy faces in adolescents

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