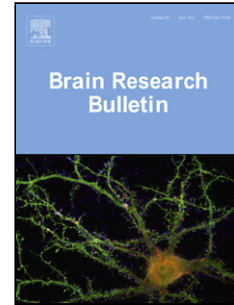


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Dissociation between the neural correlates of recollection and familiarity in the striatum and hippocampus: across-study convergence

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## Highlights

- Recollected and familiar recognition test items elicit dissociable striatal responses
- Recollection elicits enhanced activity in ventral striatum and subgenual cortex
- Familiarity and recollection elicit activity in dorsal striatum
- Retrieval-related activity in the striatum does not track hippocampal activity

## Abstract

In tests of recognition memory, neural activity in the striatum has consistently been reported to differ according to the study status of the test item. A full understanding of the functional significance of striatal ‘retrieval success’ effects is impeded by a paucity of evidence concerning whether the effects differ according to the nature of the memory signal supporting the recognition judgment (recollection vs. familiarity). Here, we address this issue through an

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