

Accepted Manuscript

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PII: S0166-4328(17)30867-7
DOI: <http://dx.doi.org/doi:10.1016/j.bbr.2017.08.010>
Reference: BBR 11029

To appear in: *Behavioural Brain Research*

Received date: 25-5-2017
Revised date: 25-7-2017
Accepted date: 5-8-2017

Please cite this article as: Powell Anna L, Nelson Andrew, Hindley Emma, Davies Moira, Aggleton John P, Vann Seralynne D. The rat retrosplenial cortex as a link for frontal functions: A lesion analysis. *Behavioural Brain Research* <http://dx.doi.org/10.1016/j.bbr.2017.08.010>

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The rat retrosplenial cortex as a link for frontal functions: A lesion analysis

Running title: The retrosplenial cortex and frontal function

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Total word count:

Abstract word count: 255

Figures: 9

Tables: 2

Highlights:

- Retrosplenial cortex lesions do not reproduce the pattern of effects of medial frontal damage
- Retrosplenial cortex lesions spare tests of behavioural flexibility
- Effort-based decision making does not require the retrosplenial cortex
- Reveals specific conditions when nonspatial tasks engage retrosplenial cortex

Abstract

Cohorts of rats with excitotoxic retrosplenial cortex lesions were tested on four behavioural tasks sensitive to dysfunctions in prelimbic cortex, anterior cingulate cortex, or both. In this way the study tested whether retrosplenial cortex has nonspatial functions that reflect its

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