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Title: Maternal immune activation in mid-late gestation alters amphetamine sensitivity and object recognition, but not other schizophrenia-related behaviours in adult rats

Authors: A Gray, R Tattoli, A Dunn, DM Hodgson, PT Michie, L Harms



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Maternal immune activation in mid-late gestation alters amphetamine sensitivity and object recognition, but not other schizophrenia-related behaviours in adult rats.

Gray A^{1#}, Tattoli R^{1#}, Dunn A^{1,2}, Hodgson DM^{1,2,3}, Michie PT^{1,2,3}, Harms L^{1,2,3*}

These authors contributed equally

*Corresponding author:

Lauren Harms

lauren.harms@newcastle.edu.au

Behavioural Sciences Building, University of Newcastle,

University Drive, Callaghan, NSW 2308

+61 2 49215664

1. School of Psychology, University of Newcastle, Callaghan, NSW, Australia
2. Priority Centre for Brain and Mental Health Research, Callaghan, NSW, Australia
3. Hunter Medical Research Institute, Newcastle, NSW, Australia

Highlights

- We characterised the behaviour of rats exposed to maternal immune activation (MIA)
- As adults, MIA rats had reduced novel object exploration
- MIA adult rats also had subtly increased sensitivity to amphetamine

Abstract:

Maternal immune activation induced by Poly(I:C) administration is one of the most commonly used animal models of schizophrenia at present. Previous work from our team has demonstrated that some, but not all of the features often reported for maternal immune activation exposure in rodents can be observed in rats exposed to maternal immune activation at mid or late gestation. To determine whether previous findings in our laboratory were due to these time points simply being less sensitive neurodevelopmental periods for rats with regard to maternal immune activation

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