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Research paper

Effect of chronic exposure to a magnetic field on two forms of murine aggression

Sami J. Al-Maliki ^a, Fitian Al-Rawi ^b

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Abstract

The effect of continuous exposure to a relatively st were evaluated on social (inter-male) aggression in lactating female mice. This study revealed that exp significant reduction in social and maternal aggression towards anosmic (passive) standard opponent intruders. The detailed ethologically-assessed results indicate that such exposure produces a significant decline in most behavioural categories recorded throughout this study in isolated male and lactating female mice. Defensive behaviour, however, seemed enhanced in lactating mice. These results may be explained in terms of the magnetic fields interfering with the function of the central nervous system or the physiological substrates which control such types of behaviour.

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Keywords

Magnetic field; Male mouse; Lactating female mouse; Behavioural category; Social aggression; Maternal aggression