

## Accepted Manuscript

Title: Criteria for determining whether mismatch responses exist in animal models: Focus on rodents

Author: Lauren Harms Patricia T. Michie Risto Näätänen

PII: S0301-0511(15)30028-4  
DOI: <http://dx.doi.org/doi:10.1016/j.biopsycho.2015.07.006>  
Reference: BIOPSY 7066



To appear in:

Received date: 28-5-2015  
Revised date: 13-7-2015  
Accepted date: 13-7-2015

Please cite this article as: Harms, Lauren, Michie, Patricia T., Näätänen, Risto, Criteria for determining whether mismatch responses exist in animal models: Focus on rodents. *Biological Psychology* <http://dx.doi.org/10.1016/j.biopsycho.2015.07.006>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Title:** Criteria for determining whether mismatch responses exist in animal models:  
focus on rodents.

**Author names and affiliations:** Lauren Harms<sup>1,2</sup>, Patricia T. Michie<sup>1,2</sup>, Risto  
Näätänen<sup>3-5</sup>

<sup>1</sup>School of Psychology, University of Newcastle, Australia

<sup>2</sup>Priority Research Centre for Translational Neuroscience and Mental Health,  
University of Newcastle, Australia.

<sup>3</sup>Institute of Psychology, University of Tartu, Tartu, Estonia

<sup>4</sup>Center of Functionally Integrative Neurosciences (CFIN), University of Aarhus,  
Aarhus, Denmark

<sup>5</sup>Institute of Behavioural Sciences, University of Helsinki, Helsinki, Finland

**Corresponding Author:** Lauren Harms, School of Psychology, University of  
Newcastle, Callaghan NSW 2308, Australia. Email: lauren.harms@newcastle.edu.au

**Highlights:**

Mismatch negativity (MMN) in humans is a very specific phenomenon with several  
important attributes

One of the most important attributes of MMN in humans is deviance detection

Several studies in rats have now demonstrated that the rat brain is capable of  
generating an MMN-like deviance detection response.

**Abstract**

Download English Version:

<https://daneshyari.com/en/article/7278455>

Download Persian Version:

<https://daneshyari.com/article/7278455>

[Daneshyari.com](https://daneshyari.com)