

## Accepted Manuscript

Title: The importance of precision to updating models of the sensory environment

Authors: Juanita Todd, Raymond Cornwell

PII: S0301-0511(18)30229-1

DOI: <https://doi.org/10.1016/j.biopsycho.2018.09.012>

Reference: BIOPSY 7596



To appear in:

Received date: 2-4-2018

Revised date: 3-8-2018

Accepted date: 30-9-2018

Please cite this article as: Todd J, Cornwell R, The importance of precision to updating models of the sensory environment, *Biological Psychology* (2018), <https://doi.org/10.1016/j.biopsycho.2018.09.012>

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.

The importance of precision to updating models of the sensory environment.

Juanita Todd<sup>1</sup> \*

Raymond Cornwell<sup>1</sup>

\* Corresponding Author

***Affiliation***

School of Psychology

University of Newcastle

University Drive, Callaghan, NSW Australia, 2308

EMAIL: Juanita Todd@newcastle.edu.au

PHONE: +61 2 49215977

**Highlights**

- Auditory P1, N1 and N2 decrease to repeated tones, insensitive to SOA variability.
- Auditory MMN to deviants transiently increases if SOA variability declines.
- Auditory MMN to deviants does not change if SOA variability increases.
- Auditory MMN amplitude is sensitive to longer term contextual information.
- Internal model updating depends on the order in which changes are encountered.

Download English Version:

<https://daneshyari.com/en/article/11009048>

Download Persian Version:

<https://daneshyari.com/article/11009048>

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