

Accepted Manuscript

Title: Elevated stress hormone levels and antidepressant treatment starting before pregnancy affect maternal care and litter characteristics in an animal model of depression

Authors: J.M. Kott, S.M. Mooney-Leber, J. Li, S. Brummelte

PII: S0166-4328(18)30182-7
DOI: <https://doi.org/10.1016/j.bbr.2018.04.006>
Reference: BBR 11372

To appear in: *Behavioural Brain Research*

Received date: 31-1-2018
Revised date: 4-4-2018
Accepted date: 5-4-2018

Please cite this article as: Kott JM, Mooney-Leber SM, Li J, Brummelte S, Elevated stress hormone levels and antidepressant treatment starting before pregnancy affect maternal care and litter characteristics in an animal model of depression, *Behavioural Brain Research* (2018), <https://doi.org/10.1016/j.bbr.2018.04.006>

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.



Elevated stress hormone levels and antidepressant treatment starting before pregnancy affect maternal care and litter characteristics in an animal model of depression

Kott, J. M.,¹ Mooney-Leber, S. M.,¹ Li, J.,² Brummelte, S.^{1*}

¹ Department of Psychology, Wayne State University, Detroit, MI, USA

² Karmanos Cancer Institute, School of Medicine, Wayne State University, Detroit, MI, USA

* **Corresponding author address:** Department of Psychology, Wayne State University, 5057 Woodward Ave, 7th floor, Detroit, MI, 48202, USA, sbrummelte@wayne.edu

Highlights:

- Pre-gestational CORT exposure induced a depressive-like phenotype in female rats
- CORT prior to pregnancy resulted in smaller litters
- Maternal sertraline until birth resulted in high levels of the drug in pups
- Sertraline did not improve depressive symptoms in CORT dams
- Continued sertraline treatment altered maternal care behavior in CORT dams

Download English Version:

<https://daneshyari.com/en/article/8837745>

Download Persian Version:

<https://daneshyari.com/article/8837745>

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