

# Accepted Manuscript

Prenatal immune activation causes hippocampal synaptic deficits in the absence of overt microglia anomalies

Sandra Giovanoli, Ulrike Weber-Stadlbauer, Manfred Schedlowski, Urs Meyer, Harald Engler

PII: S0889-1591(15)30022-2  
DOI: <http://dx.doi.org/10.1016/j.bbi.2015.09.015>  
Reference: YBRBI 2712

To appear in: *Brain, Behavior, and Immunity*

Received Date: 28 July 2015  
Revised Date: 22 September 2015  
Accepted Date: 23 September 2015

Please cite this article as: Giovanoli, S., Weber-Stadlbauer, U., Schedlowski, M., Meyer, U., Engler, H., Prenatal immune activation causes hippocampal synaptic deficits in the absence of overt microglia anomalies, *Brain, Behavior, and Immunity* (2015), doi: <http://dx.doi.org/10.1016/j.bbi.2015.09.015>

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.



# Prenatal immune activation causes hippocampal synaptic deficits in the absence of overt microglia anomalies

Sandra Giovanoli<sup>1</sup>, Ulrike Weber-Stadlbauer<sup>1,2</sup>, Manfred Schedlowski<sup>3</sup>, Urs Meyer<sup>1,2,\*</sup>, Harald Engler<sup>3</sup>

<sup>1</sup>Physiology and Behavior Laboratory, ETH Zurich, Schwerzenbach, Switzerland.

<sup>2</sup>Institute of Pharmacology and Toxicology, University of Zurich-Vetsuisse, Zurich, Switzerland.

<sup>3</sup>Institute of Medical Psychology and Behavioral Immunobiology, University Hospital Essen, University of Duisburg-Essen, Essen, Germany.

**\*Correspondence:**

Urs Meyer, Ph.D.

Institute of Pharmacology and Toxicology

University of Zurich-Vetsuisse

Winterthurerstrasse 260,

8057 Zurich,

Switzerland

E-mail: urs.meyer@vetpharm.uzh.ch

Tel.: +41 44 635 88 44; Fax: +41 44 635 89 10

**Running title:** Prenatal immune activation and synaptic development.

**Key words:** Autism; cytokines; inflammation; maternal immune activation; microglia; poly(I:C); schizophrenia; synapse.

Download English Version:

<https://daneshyari.com/en/article/7280278>

Download Persian Version:

<https://daneshyari.com/article/7280278>

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