Accepted Manuscript

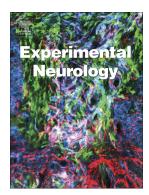
Early-life exposure to caffeine affects the construction and activity of cortical networks in mice

Walid Fazeli, Stefania Zappettini, Stephan Lawrence Marguet, Jasper Grendel, Monique Esclapez, Christophe Bernard, Dirk Isbrandt

PII:	S0014-4886(17)30136-X
DOI:	doi: 10.1016/j.expneurol.2017.05.013
Reference:	YEXNR 12541
To appear in:	Experimental Neurology
Received date:	14 February 2017
Revised date:	21 April 2017
Accepted date:	29 May 2017

Please cite this article as: Walid Fazeli, Stefania Zappettini, Stephan Lawrence Marguet, Jasper Grendel, Monique Esclapez, Christophe Bernard, Dirk Isbrandt, Early-life exposure to caffeine affects the construction and activity of cortical networks in mice, *Experimental Neurology* (2017), doi: 10.1016/j.expneurol.2017.05.013

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.



ACCEPTED MANUSCRIPT

Early-life exposure to caffeine affects the construction and activity of

cortical networks in mice

Walid Fazeli ^{a,b,c,d}§, Stefania Zappettini ^e§, Stephan Lawrence Marguet ^{a,c,d}, Jasper Grendel ^{d,f}, Monique Esclapez ^e¶, Christophe Bernard ^e¶, Dirk Isbrandt ^{a,c,d}¶*

§ These authors are the joint first authors.

¶ These authors are the joint senior authors.

Affiliations:

^a Institute for Molecular and Behavioral Neuroscience, University of Cologne, 50937 Cologne, Germany

- ^b Department of Pediatrics, University Hospital Cologne, 50937 Cologne, Germany
- ^c German Center for Neurodegenerative Diseases (DZNE), 53175 Bonn, Germany
- ^d Experimental Neuropediatrics, University Medical Center Hamburg-Eppendorf, 20246 Hamburg, Germany
- ^e Aix Marseille Université, Inserm, INS UMR_S 1106, 13005, Marseille, France

^f Institute for Molecular and Cellular Cognition, University Medical Center Hamburg-Eppendorf, 20246 Hamburg, Germany

* Correspondence should be addressed to:

Prof. Dr. Dirk Isbrandt DZNE Research Group Experimental Neurophysiology Institute for Molecular and Behavioral Neuroscience University Hospital Cologne Kerpener Str. 62 50937 Köln E-mail: dirk.isbrandt@dzne.de Phone: +49-221-47832732 Fax: +49-221-47832739

Running title: Caffeine alters developing neuronal networks

Download English Version:

https://daneshyari.com/en/article/5629109

Download Persian Version:

https://daneshyari.com/article/5629109

Daneshyari.com