### **Accepted Manuscript**

Neural Mechanisms of Early-life Social Stress as a Developmental Risk Factor for Severe Psychiatric Disorders

Jonathan Rochus Reinwald, MD, Robert Becker, MSc, Anne Stephanie Mallien, PhD, Claudia Falfan-Melgoza, MSc, Markus Sack, PhD, Christian Clemm von Hohenberg, MD, Urs Braun, MD, Alejandro Cosa Linan, PhD, Natalia Gass, PhD, Andrei-Nicolae Vasilescu, MD, Fabian Tollens, Philipp Lebhardt, PhD, Natascha Pfeiffer, Dragos Inta, MD, Andreas Meyer-Lindenberg, MD, Peter Gass, MD, Alexander Sartorius, MD, Wolfgang Weber-Fahr, PhD

PII: S0006-3223(17)32317-X

DOI: 10.1016/j.biopsych.2017.12.010

Reference: BPS 13423

To appear in: Biological Psychiatry

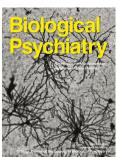
Received Date: 17 June 2017

Revised Date: 21 November 2017

Accepted Date: 14 December 2017

Please cite this article as: Reinwald J.R., Becker R., Mallien A.S., Falfan-Melgoza C., Sack M., Clemm von Hohenberg C., Braun U., Cosa Linan A., Gass N., Vasilescu A.-N., Tollens F., Lebhardt P., Pfeiffer N., Inta D., Meyer-Lindenberg A., Gass P., Sartorius A. & Weber-Fahr W., Neural Mechanisms of Early-life Social Stress as a Developmental Risk Factor for Severe Psychiatric Disorders, *Biological Psychiatry* (2018), doi: 10.1016/j.biopsych.2017.12.010.

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 Page**

# Neural Mechanisms of Early-life Social Stress as a Developmental Risk Factor for Severe Psychiatric Disorders

Jonathan Rochus Reinwald <sup>a,b</sup> MD, Robert Becker <sup>a</sup> MSc, Anne Stephanie Mallien <sup>c</sup> PhD, Claudia Falfan-Melgoza <sup>a</sup> MSc, Markus Sack <sup>a</sup> PhD, Christian Clemm von Hohenberg <sup>a,b</sup> MD, Urs Braun <sup>b,e</sup> MD, Alejandro Cosa Linan <sup>f</sup> PhD, Natalia Gass <sup>a</sup> PhD, Andrei-Nicolae Vasilescu <sup>b,c</sup> MD, Fabian Tollens <sup>a</sup>, Philipp Lebhardt <sup>a</sup> PhD, Natascha Pfeiffer <sup>c</sup>, Dragos Inta <sup>b,c,d</sup> MD, Andreas Meyer-Lindenberg <sup>b</sup> MD, Peter Gass <sup>b,c</sup> MD, Alexander Sartorius <sup>a,b</sup> MD, Wolfgang Weber-Fahr <sup>a</sup> PhD

- <sup>a</sup> Research Group Translational Imaging, Department of Neuroimaging, Central Institute of Mental Health, Medical Faculty Mannheim, University of Heidelberg, Germany
- <sup>b</sup> Department of Psychiatry and Psychotherapy, Central Institute of Mental Health, Medical Faculty Mannheim, University of Heidelberg, Germany
- <sup>c</sup> Research Group Animal Models in Psychiatry, Central Institute of Mental Health, Medical Faculty Mannheim, University of Heidelberg, Germany
- <sup>d</sup> Department of Psychiatry (UPK), University of Basel, Basel, Switzerland
- <sup>e</sup> Research Group Systems Neuroscience in Psychiatry, Central Institute of Mental Health, Medical Faculty Mannheim, University of Heidelberg, Germany
- f Research Group In Silico Psychopharmacology, Central Institute of Mental Health, Medical Faculty Mannheim, University of Heidelberg, Germany

#### Download English Version:

## https://daneshyari.com/en/article/8813907

Download Persian Version:

https://daneshyari.com/article/8813907

<u>Daneshyari.com</u>