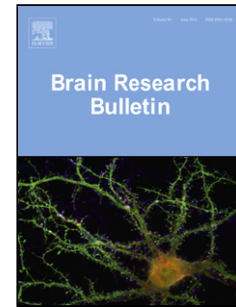


Accepted Manuscript

Title: Neuroticism is associated with altered resting-state functional connectivity of amygdala following acute stress exposure

Authors: Yituo Wang, Yuyang Zhu, Pinhong Chen, Feng Yan, Shanshan Chen, Gongjie Li, Xiangjun Hu, Lubin Wang, Zheng Yang



PII: S0166-4328(17)31889-2
DOI: <https://doi.org/10.1016/j.bbr.2018.03.021>
Reference: BBR 11343

To appear in: *Behavioural Brain Research*

Received date: 23-11-2017
Revised date: 7-3-2018
Accepted date: 13-3-2018

Please cite this article as: Wang Y, Zhu Y, Chen P, Yan F, Chen S, Li G, Hu X, Wang L, Yang Z, Neuroticism is associated with altered resting-state functional connectivity of amygdala following acute stress exposure, *Behavioural Brain Research* (2018), <https://doi.org/10.1016/j.bbr.2018.03.021>

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.

Neuroticism is associated with altered resting-state functional connectivity of amygdala following acute stress exposure

Yituo Wang^{a,b}, Yuyang Zhu^{a,c}, Pinhong Chen^a, Feng Yan^b, Shanshan Chen^a, Gongjie Li^b, Xiangjun Hu^c, Lubin Wang^{a,*}, Zheng Yang^{a,*}

Y. Wang and Y. Zhu contributed equally to this work.

Author Affiliations:

^a Cognitive and Mental Health Research Center, Beijing Institute of Basic Medical Sciences, Beijing, People's Republic of China

^b Department of Radiology, Affiliated Hospital of the Academy of Military Medical Sciences, Beijing, People's Republic of China

^c Department of Experimental Pathology, Beijing Institute of Radiation Medicine, Beijing, People's Republic of China

*** Corresponding Author:**

Corresponding author at: 27 Taiping Road, Beijing, People's Republic of China

E-mail addresses: yangz236@163.com (Z. Yang), wlbcc@126.com (L. Wang)

Highlights

- Effect of acute stress on the functional connectivity of BLA and CMA was analyzed
- Association between amygdala functional connectivity and neuroticism was assessed
- Participants showed increased BLA and CMA RSFC with the PCC/Rsp and mPFC
- Neuroticism scores were positively correlated to altered RSFC of the BLA

Abstract

The amygdala, a subcortical structure responsible for fear and vigilance, is central to the stress circuitry. Aberrant amygdala connectivity with the cortical and subcortical regions is found in patients with stress-related disorders, and in healthy subjects following acute stress exposure. However, the extent to which the stress-induced alteration of amygdala functional connectivity correlates with risk-related personality measures remains unclear. Using resting-

Download English Version:

<https://daneshyari.com/en/article/8837794>

Download Persian Version:

<https://daneshyari.com/article/8837794>

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