

Author's Accepted Manuscript

Altered plasma levels of chemokines in autism and their association with social behaviors

Yidong Shen, Jianjun Oua, Mengmeng Liu, Lijuan Shi, Yamin Li, Lu Xiao, Huixi Dong, Fengyu Zhang, Kun Xia, Jingping Zhao



PII: S0165-1781(15)30819-2
DOI: <http://dx.doi.org/10.1016/j.psychres.2016.07.057>
Reference: PSY9868

To appear in: *Psychiatry Research*

Received date: 14 December 2015
Revised date: 7 May 2016
Accepted date: 30 July 2016

Cite this article as: Yidong Shen, Jianjun Oua, Mengmeng Liu, Lijuan Shi, Yamin Li, Lu Xiao, Huixi Dong, Fengyu Zhang, Kun Xia and Jingping Zhao, Altered plasma levels of chemokines in autism and their association with social behaviors, *Psychiatry Research*, <http://dx.doi.org/10.1016/j.psychres.2016.07.057>

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 galley proof before it is published in its final citable 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.

Altered plasma levels of chemokines in autism and their association with social behaviors

Yidong Shen^{a1}, Jianjun Ou^{a1}, Mengmeng Liu^a, Lijuan Shi^{a,b}, Yamin Li^a, Lu Xiao^a, Huixi Dong^a, Fengyu Zhang^{a,c}, Kun Xia^d, Jingping Zhao^{a,d*}

^aInstitute of Mental Health, the Second Xiangya Hospital, Central South University; The National Clinical Research Center for Mental Health Disorders; The National Technology Institute of Psychiatry; Key Laboratory of Psychiatry and Mental Health of Hunan Province, Changsha, China

^bNeuropsychology and Applied Cognitive Neuroscience Research Group, Institute of Psychology, Chinese Academy of Sciences, Beijing, China

^cLieber Institute for Brain Development, Johns Hopkins University Medical Campus, Baltimore, Maryland, USA

^dState Key Laboratory of Medical Genetics, Central South University, Changsha, China

*Corresponding author. E-mail address: zhaojingpingcsu@163.com

Abstract

Autism Spectrum Disorder (ASD) is a group of neurodevelopment disorders with an unclear etiology. Chemokines have been implicated in the etiology and pathogenesis of ASD. The current study investigated the plasma levels of seven chemokines (RANTES, Eotaxin, MIP-1 α , MIP-1 β , MCP-1, IP-10, and MIG) in 42 young autistic patients and 35 age-matched typically developing (TD) children. The study also tested the association between these chemokine levels and social behaviors, as measured by the Social Responsiveness Scale (SRS). Compared

¹ The first two authors contributed equally to this work

Download English Version:

<https://daneshyari.com/en/article/6812622>

Download Persian Version:

<https://daneshyari.com/article/6812622>

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