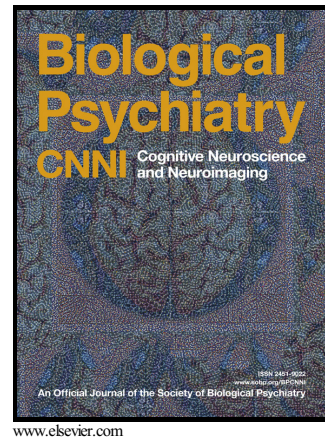


## Author's Accepted Manuscript

Error-Specific Cognitive Control Alterations in  
General Anxiety Disorder

James F. Cavanagh, Alexandria Meyer, Greg  
Hajcak



PII: S2451-9022(17)30007-1

DOI: <http://dx.doi.org/10.1016/j.bpsc.2017.01.004>

Reference: BPSC115

To appear in: *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*

Cite this article as: James F. Cavanagh, Alexandria Meyer and Greg Hajcak, Error-Specific Cognitive Control Alterations in General Anxiety Disorder, *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, <http://dx.doi.org/10.1016/j.bpsc.2017.01.004>

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.

# Error-Specific Cognitive Control Alterations in General Anxiety Disorder

James F. Cavanagh<sup>1</sup>  
Alexandria Meyer<sup>2</sup>  
Greg Hajcak<sup>3</sup>

<sup>1</sup>University of New Mexico  
<sup>2</sup>Florida State University  
<sup>3</sup>Stony Brook University

Contact:

James F Cavanagh, Department of Psychology, University of New Mexico, Logan Hall, 1  
University of New Mexico, MSC03 2220, Albuquerque NM, 87131 USA  
Email: jcavanagh@unm.edu Phone: (505) 277-4121 Fax: (505) 277-1394

Anxiety; ERN; N2; theta; cognitive control; classification

## Abstract

**BACKGROUND:** Trait anxiety is reliably associated with enhanced neural responses following errors: meta analyses have described how the electrophysiological response to errors known as the Error-Related Negativity (ERN) is increased in anxious individuals, particularly in relation to worry. The ERN has been related to a broader class of control signals, particularly via a common theta band denominator, but it is unknown whether worry relates to these alternative medial frontal metrics. Moreover, it is unclear if increased ERN in anxiety relates to altered cognitive control.

متن کامل مقاله

دریافت فوری ←

**ISI**Articles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات