Accepted Manuscript

Title: Towards a human self-regulation system: Common and distinct neural signatures of emotional and behavioural control

Authors: Robert Langner, Susanne Leiberg, Felix Hoffstaedter, Simon B. Eickhoff



 PII:
 S0149-7634(17)30644-9

 DOI:
 https://doi.org/10.1016/j.neubiorev.2018.04.022

 Reference:
 NBR 3109

To appear in:

 Received date:
 8-9-2017

 Revised date:
 23-4-2018

 Accepted date:
 27-4-2018

Please cite this article as: Langner R, Leiberg S, Hoffstaedter F, Eickhoff SB, Towards a human self-regulation system: Common and distinct neural signatures of emotional and behavioural control, *Neuroscience and Biobehavioral Reviews* (2010), https://doi.org/10.1016/j.neubiorev.2018.04.022

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

Cognitive Control of Emotion and Action 1

Towards a human self-regulation system: Common and distinct neural signatures

of emotional and behavioural control

Running head: COGNITIVE CONTROL OF EMOTION AND ACTION

Robert Langner^{a,b*}, Susanne Leiberg^c, Felix Hoffstaedter^{a,b} & Simon B. Eickhoff^{a,b}

- ^a Institute of Systems Neuroscience and Institute of Clinical Neuroscience & Medical Psychology, Medical Faculty, Heinrich Heine University Düsseldorf, D-40225 Düsseldorf, Germany
- ^b Institute of Neuroscience and Medicine (INM-1, INM-7), Research Centre Jülich, D-52425 Jülich, Germany
- ^c Laboratory for Social and Neural Systems Research, Department of Economics, University of Zurich, CH-8006 Zurich, Switzerland

*Correspondence should be addressed to Dr. Robert Langner, Institut für Systemische Neurowissenschaften, Universitätsklinikum Düsseldorf, Universitätsstr. 1, D-40225 Düsseldorf, Germany. Phone: +49-211-81-10571, fax: +49-211-81-13015, e-mail: robert.langner@hhu.de

Highlights

- Earlier studies suggest a common brain network for controlling emotion and action
- Two large-scale meta-analyses reveal disparate brain networks with limited overlap
- Domain-general self-control is subserved by parieto-frontomedial-insular core network
- Connectivity-based clustering and functional decoding support interdomain differences

Download English Version:

https://daneshyari.com/en/article/7301938

Download Persian Version:

https://daneshyari.com/article/7301938

Daneshyari.com