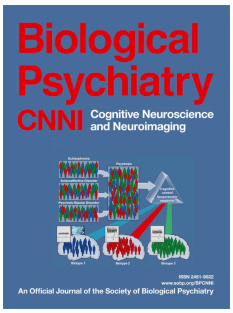
Accepted Manuscript



Effective connectivity in depression

Edmund T. Rolls, Wei Cheng, Matthieu Gilson, Jiang Qiu, Zicheng Hu, Hongtao Ruan, Yu Li, Chu-Chung Huang, Albert C. Yang, Shih-Jen Tsai, Xiaodong Zhang, Kaixiang Zhuang, Ching-Po Lin, Gustavo Deco, Peng Xie, Jianfeng Feng

PII: S2451-9022(17)30195-7

DOI: 10.1016/j.bpsc.2017.10.004

Reference: BPSC 204

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

Received Date: 5 May 2017

Revised Date: 10 October 2017

Accepted Date: 11 October 2017

Please cite this article as: Rolls E.T., Cheng W., Gilson M., Qiu J., Hu Z., Ruan H., Li Y., Huang C.-C., Yang A.C., Tsai S.-J., Zhang X., Zhuang K., Lin C.-P., Deco G., Xie P. & Feng J., Effective connectivity in depression, *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging* (2017), doi: 10.1016/j.bpsc.2017.10.004.

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 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

Effective connectivity in depression

Edmund T. Rolls[1,2, #]; Wei Cheng[1,3 #]; Matthieu Gilson[13, #]; Jiang Qiu[4,5, #]; Zicheng Hu[7,8,9,#]; Hongtao Ruan[3,6]; Yu Li[5]; Chu-Chung Huang[7]; Albert C. Yang[11]; Shih-Jen Tsai[11]; Xiaodong Zhang[7,8,9]; Kaixiang Zhuang[5]; Ching-Po Lin[3,7, 15,*]; Gustavo Deco[13,14]; Peng Xie[8,9,10, *];Jianfeng Feng[1, 3, 6,12, *]

1. Department of Computer Science, University of Warwick, Coventry CV4 7AL, UK
2. Oxford Centre for Computational Neuroscience, Oxford, UK
3. Institute of Science and Technology for Brain-inspired Intelligence, Fudan University, Shanghai, 200433, PR China
4. Key Laboratory of Cognition and Personality (SWU), Ministry of Education, Chongqing, China
5. Department of Psychology, Southwest University, Chongqing, China
6. School of Mathematical Sciences, Fudan University, Shanghai, 200433, PR China
7. Institute of Neuroscience, National Yang-Ming University, Taipei, Taiwan
8. Institute of Neuroscience, Chongqing Medical University, Chongqing, China
9. Chongqing Key Laboratory of Neurobiology, Chongqing, China
10. Department of Neurology, The First Affiliated Hospital of Chongqing Medical University, Chongqing, China
11. Department of Psychiatry, Taipei Veterans General Hospital, Taipei, Taiwan
12. School of Life Science and the Collaborative Innovation Center for Brain Science, Fudan University, Shanghai, 200433, PR China
13. Center for Brain and Cognition, Computational Neuroscience Group, Department of Information and Communication Technologies, Universitat Pompeu Fabra, Roc Boronat 138, Barcelona, 08018, Spain Brain and Cognition, Pompeu Fabra University, Barcelona, Spain.
14. Institució Catalana de la Recerca i Estudis Avançats (ICREA), Universitat Pompeu Fabra, Passeig Lluís Companys 23, Barcelona, 08010, Spain.
15. Brain Research Center, National Yang-Ming University, Taipei, Taiwan

[#] These authors contributed equally to this work.

Short title: effective connectivity and depression

Keywords: depression; effective connectivity; orbitofrontal cortex; functional connectivity; resting state functional neuroimaging; medial temporal lobe; precuneus

ORCID ID of Edmund T Rolls: 0000-0003-3025-1292

Corresponding author: Professor Edmund T Rolls, Oxford Centre for Computational Neuroscience, Oxford, UK. Edmund.Rolls@oxcns.org www.oxcns.org

Download English Version:

https://daneshyari.com/en/article/8814601

Download Persian Version:

https://daneshyari.com/article/8814601

Daneshyari.com