F1000 F1000 Posters F1000 Research W١



Search...

Evaluated Articles

Rankings

Reports

Faculty

Naturally Selected



Transforming scholarly commun JOIN US via RSS, Twitter and m

F1000 » Evaluated Articles »

Large-scale brain networks and psychopathology: a unifying triple network model.

Trends Cogn Sci. 2011 Oct; 15(10):483-506

Evaluations 1

8

Comments 0

Related Evaluated Articles

Abstract

J Daniel Ragland and Tara Niendam, UC Davis, CA, USA. F1000 Psychiatry 8 10 Oct 2011 | Review

MUST READ

This article provides a useful and easily digestible review of large- and small-scale network approaches towards understanding cognitive abnormalities in a variety of disorders, including schizophrenia, Alzheimer's, and autism.

The author describes how previous findings of structural and functional abnormalities in specific brain regions do not account for the ways in which such brain areas interact to create the multifaceted clinical presentation of each illness. This review demonstrates how the network approach can be beneficial in moving our understanding of such disorders forward by permitting analysis across networks of regions and comparing the use of such networks between patients and controls. The authors also propose that 3 main networks, with particular focus on the 'salience network', can be used to explore patterns of impairment and symptoms that are found across a variety of disorders. Overall, this review insightfully encourages researchers to look beyond specific brain regions or cognitive domains to the overarching model of interaction and interconnectivity that exists within the brain.

Competing interests: No potential interests relevant to this article were reported.

Cite this evaluation

Niendam T, Ragland J: "This article provides a useful and easily digestible review of large- and small-scale network..." Evaluation of: [Menon V. Large-scale brain networks and psychopathology: a unifying triple network model. Trends Cogn Sci. 2011 Oct; 15(10):483-506; doi: 10.1016/j.tics.2011.08.003]. Faculty of 1000, 10 Oct 2011. F1000.com/13335000#eval14701116

Short form

Niendam T, Ragland J: 2011. F1000.com/13335000#eval14701116

Cite this page

Add to My **Article** Full text in Available c Retrieve a Releva **Additic**



RELATE

f1000.com/13335000