

Special Issue

Foundational Perspectives on Causality in Large-Scale Brain Networks

Message from the Guest Editor

Neurons in the brain exert causative effects on one another at synapses. There are trillions of neurons in the brain, organized as populations, carrying out specific functions that are based on a small number of synaptic types. It stands to reason that neuronal populations also exert causative effects on one another. This special issue presents experimental evidence from fMRI BOLD (functional magnetic resonance imaging blood-oxygen level dependent contrast) in humans and the LFP (local field potential) in monkeys, using multivariate autoregressive (MVAR) modeling to determine causative networks in the neocortex of the brain.

Guest Editor

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