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Special Issue Reprint

## Brain Functional Connectivity

**Edited by: Alexander N. Pisarchik**

This reprint captures how functional connectivity research is revolutionizing brain science. The featured papers bridge fundamental discovery with tangible applications, uncovering the neural architecture of decision-making, social cognition, and clinical disorders. Integrating methods from electrophysiology to artificial intelligence, the contributions advance beyond correlation toward predictive modeling and mechanistic insight. This collection affirms that mapping brain networks is a foundational tool for progress in healthcare, neurotechnology, and our core understanding of the human mind.

