

Human Brain Connectomics: An Introduction and Application

Bumhee Park

Summary: The human brain can be understood as a complex system or network, where brain functions emerge from the interaction between neurons at multiple levels. Connectomics is a research field that seeks to collect and analyze such information about neural interaction, which has greatly advanced our understanding of the brain. This talk will introduce how the brain network can be constructed using neuroimaging techniques and characterized using various methodological approaches for investigating brain functions.

Keywords: connectivity, connectome, neuroimaging, graph theory