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Network Approaches to Diseases of the Brain

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About the eBook

This book covers novel approaches using networks and oscillations and it will serve as a catalyst for translating these exciting advancements into the clinical arena. It should be a useful resource for researchers and clinicians in neurology and psychiatry.

Contents

- ▶ Synchronizing Bench and Bedside: A Clinical Overview of Networks and Oscillations
- ▶ Primer on Networks in Neuroscience
- ▶ Neural Networks in the Developing Human Brain
- ▶ Brain Anatomy and Small-World Networks
- ▶ Sleep Physiology Dynamics: Network Analysis and other Quantitative Approaches
- ▶ Multimodal Imaging in Epilepsy: Combining EEG and fMRI
- ▶ Abnormal Synchrony and Oscillations in Neuropsychiatric Disorders
- ▶ Brain Stimulation Techniques and Network Studies of Brain Function

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