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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