Clinical Electrophysiology for Precision Diagnosis for Cardiology and Central Nervous System Diseases

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Message from the Guest Editors

Dear Colleagues,

Electrophysiology constitutes the measurement of ionic flux, which can indicate whether a cell or tissue is healthy or sick. This approach is widely used and applied in cardiology. However, despite its high precision and speed in diagnosis, this technique is not widely explored in the clinic to aid in disease diagnosis and drug development innovation, or for other fields. This Special Issue focuses on, but is not restricted to, clinical electrophysiology as an approach to investigating signal transduction pathways involved in central nervous system diseases. Furthermore, research using artificial intelligence is encouraged, as this represents a rich array of tools and techniques that span multimodal analyses to high-dimensional data, in order to connect basic science data to clinical cases.

The aim of this Special Issue is to take advantage of this distinguished opportunity to explore precise molecular targets for diagnosis strategies (cardiology, central nervous system diseases) and to coordinate the development of drugs for specific pathologies by focusing on the clinical electrophysiology platform.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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