

# ISTAART

## Professional Interest Area (PIA): Electrophysiology

### Description:

Electrophysiological methods have provided important insights into the way the brain processes information, from single neurons to large-scale brain networks. These methods have also contributed to our understanding of how Alzheimer's disease affects brain activity. Electrophysiological methods provide a crucial bridge between brain activity and cognition, and show considerable promise as translatable biomarkers in both preclinical and clinical applications.

The Electrophysiology PIA we will provide a forum for education through symposia and lectures, provide a platform for networking with members who share subspecialties, and support junior scientists and other researchers to learn about the latest developments in the field.

### Objectives:

Educate and advocate applications of electrophysiological measures, including EEG, MEG and others, in the study of Alzheimer's disease.

Organize symposia and other educational activities around specific themes relating to EEG, MEG and other electrophysiological measures applied to Alzheimer's disease.

Jointly discuss and explore the development of electrophysiological measures as potential biomarkers.

Generate opportunities for contact and collaboration between practitioners of electrophysiological measures and other researchers, clinicians, and commercial interests.

### For more information or to join, contact:

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