

Neural Oscillations Workshop; CNS2010

Brain oscillations have been associated with diverse cognitive processes including perceptual binding, attention, and memory. Oscillations appear in the brain in various frequency bands, which may occur simultaneously or interact with one another. They contribute to coordination of activity between local and distant neuronal populations during both normal brain functioning and in disease states. Oscillations in the beta and gamma range establish synchronization with great precision in local cortical networks, whereas lower frequencies preferentially establish synchronization over longer distances. The goal of this workshop is to provide a resume of the state-of-the-art in computational and mathematical investigations of the mechanisms, interactions and functions of neural oscillations in both normal and diseased brain.

Confirmed Speakers:

Michiel Remme

Francis Skinner

John White

Charlie Wilson

More to come...!