



UNIVERSITÀ
DEGLI STUDI
DI PALERMO

BioNeC

If you Can't Beat Them, Join Them: Combining NIBS, fMRI and EEG in Cognitive Neurosciences. - Seminars at Neurology School

June

28

10:30 am. Aula Zagami, Sezione di Fisiologia Umana del dip. BioNeC, Corso Tukory 129.

Alexander T. Sack Professor of Functional Brain Stimulation and Neurocognitive Psychology at the Faculty of Psychology and Neuroscience, Maastricht University

In the recent years new technologies have risen, opening to a totally new approach to cognitive neurosciences: NIBS (Non Invasive Brain Stimulation) techniques are able to transiently interfere with the underlying cortical tissue allowing direct stimulation or modulation; fMRI is able to read the BOLD signal, which is related to hemodynamic changes of specific brain areas during a task. However spatial and/or temporal resolution are still critical limitations. A new method based on concurrent application of these technologies can be the key to deepen our sight on our brain "black box".

