

BAW MNN Seminar Wednesday May 8th 2019 @ 12:15

Media & Knowledge Sciences (MAKS) Room 414

Brain Stimulation using TMS & tES

Prof. Gianluca Campana

Department of General Psychology, University of Padova

Applying low intensity electrical currents to the brain, either directly with two electrodes (transcranial electrical stimulation – tES) or indirectly via magnetic pulses (transcranial magnetic stimulation – TMS), can alter neural excitability of the stimulated areas, thus promoting short- and long-term plasticity. The basic mechanisms of functioning of tES and TMS will be reviewed, and the effects of a specific type of tES (transcranial random noise stimulation – tRNS) both on healthy participants and on patients with amblyopia will be presented.