

NNR 2025 – WORKSHOPS

Workshop 4: Novel opportunities for non-invasive deep brain stimulation to support neurorehabilitation

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Content: This workshop aims to explore emerging non-invasive brain stimulation (NIBS) technologies that target deep brain structures to enhance neurorehabilitation outcomes. With growing evidence supporting the role of deep brain regions, such as the striatum or the hippocampus, in motor and cognitive recovery and functional reorganization post-stroke, this workshop will discuss advancements in NIBS methods, such as transcranial temporal interference stimulation (tTIS; Hummel & Wessel 2024) and transcranial focused ultrasound (tFUS, Yüksel et al. 2024). Participants will examine the methods, efficacy, challenges, and clinical potential of these approaches for treating stroke and other neuropsychiatric conditions, focusing on personalized treatment strategies and future research directions.
