



Martin Tik

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Bio

BIO

Dr. Tik is a Visiting Scholar at the Stanford Brain Stimulation Lab and Group Leader at the Medical University of Vienna. His research bridges neuroimaging and brain stimulation to uncover mechanisms of therapeutic neuromodulation.

With a background in Biological Psychology and Medical Physics, Dr. Tik has developed innovative methods for integrating Transcranial Magnetic Stimulation with functional Magnetic Resonance Imaging (TMS-fMRI), enabling real-time measurement of stimulation-induced brain activity. His lab (<http://tmsfmri.com>) advances these tools toward individualized, state-dependent stimulation paradigms and closed-loop applications.

Building on his long-standing collaboration with the Stanford Brain Stimulation Lab, Dr. Tik works closely with Dr. Nolan Williams and colleagues to translate these neurotechnological innovations into clinical research. This ongoing Vienna–Stanford partnership aims to optimize stimulation parameters and dosing strategies for personalized TMS therapy and a better general understanding of brain circuitry in health and disease.