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## **Munich Neurotechnology Lecture**

hosted by the TUM Innovation Network Neurotechnology in Mental Health

## Prof. Martijn Arns



Lecture Hall TranslaTUM
November 30<sup>th</sup>, 2023
5:00 pm

## Stratified Psychiatry in Depression: The role of EEG biomarkers and iPhone derived Heart-Brain Coupling

**Prof. Martijn Arns** is the Research Director of the non-profit Brainclinics Foundation and an Associate Professor at the Department of Cognitive Neuroscience at Maastricht University. He has pioneered the concept of Stratified Psychiatry to advance the treatment of psychiatric disorders. His research uses brain imaging data (EEG), heart-brain coupling, chronobiology, sleep, and Research Domain Criteria (RDoC) to optimize and individualize treatment. Moreover, he has pioneered the application of non-invasive neuromodulation techniques, such as magnetic brain stimulation (rTMS) for depression and OCD treatment and neurofeedback for ADHD treatment.

Location: Lecture Hall TranslaTUM, Klinikum rechts der Isar Technical University of Munich Einsteinstr. 25, 81675 Munich Organization: Prof. Markus Ploner Klinikum rechts der Isar TUM School of Medicine Contact: markus.ploner@tum.de +49-89-4140-4608 https://web.tum.de/en/inw/our-innovation-networks/neurotech-1/