



ISM Lunchtime Seminar Series

The ISM Lunchtime Seminars are online monthly events, which take place on Thursdays, 13:00-13:30h, and are open to all interested colleagues and students. ISM researchers and guest speakers present their work during a 15 min seminar, in the English language, followed by a brief Q&A session.

We are happy to announce our next speaker: Prof. Dr. Jutta Peterburs, Professor in Medical Psychology.

Title: The effect of cerebellar stimulation on feedback processing: A combined single-pulse TMS and ERP study

Abstract: While older theories on cerebellar functions have focused on motor functions and motor learning and coordination, we now know that the cerebellum is also involved in cognitive functions such as working memory, language, and performance monitoring. There is a growing body of evidence for a crucial cerebellar role in reinforcement learning and reward processing. However, the precise interplay between the cerebellum and reward coding in dopaminergic areas is still largely unclear. In my talk, I will present preliminary results from a recent study conducted in my lab that investigated the effect of cerebellar transcranial magnetic stimulation (TMS) on feedback-based learning and feedback processing by applying concurrent EEG recording.

When: 17th November 2022 at 13:00h **Where:** MS-Teams (to join, please click [here](#))

Please follow the rules below to make these seminars a success:

- Please use your real name while entering the meeting. Participants with cryptic names will not be given access to the seminar.
- Please turn off your microphone while the seminar is taking place.
- Please feel free to ask questions!

Contact information

Please contact [Dr. Annakarina Mundorf](#) or [Dr. Deeksha Malhan](#) for further information.