

**Daniel Kaiser, Gießen:**

A framework for characterizing spatiotemporal representations in the visual brain

**Abstract:** In this talk, I will discuss representational similarity analysis (Kriegeskorte, 2008, *Front Syst Neurosci*), a versatile methodological framework for relating brain representations across recording methods and to data from other domains (such as behavioral responses and computational models). I will show how we use this framework in our research to better understand visual brain functions. I will further discuss limitations of the framework and recent advances that address these limitations and allow for a more reliable characterization of brain representations.