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## **Oscillatory building blocks underlying perception & cognition**

In daily life, we receive a continuous stream of information. This sensory input has to be filtered and processed when relevant, while irrelevant or distracting input has to be suppressed. In my view, brain oscillations provide the scaffolding for information transfer, and understanding these oscillatory mechanisms is critical to understanding higher-level cognitive functions. I study these mechanisms in the context of attention and perceptual decision-making, using a combination of techniques including spike and LFP recordings, ECoG, and MEG.