

Cognition Colloquium

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GL "Neuronal Plasticity", Max Planck Institute of Psychiatry (until 2019-11)

Can You Imagine? Applicability of in Vivo Imaging in Translational Studies with Mice

Translational Neuroscience is backtranslating questions from studies in healthy volunteers/ patients to rats or mice with the aim (i) to investigate circuit to symptoms relationships, (ii) to identify new therapeutic concepts, (iii) to enable the study of pharmacokinetic / pharmacodynamic interdependencies and (iv) to characterize translatable biomarkers for the demonstration of circuit engagement in humans. In this context, in vivo imaging techniques are getting particular attention. I will provide a brief introduction to those technologies, followed by the presentation of a few key findings from the lab using manganese-enhanced MRI, ¹H-MRS and functional ultrasound (fUS) in studies of cognitive processes in mice



Join online:

<https://zoom.us/j/93526030034?pwd=ZkJnYlFVOEthU2lDeE5nVmV6TlZLZz09>

Meeting ID: 935 2603 0034

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