

Confirmed Speakers

Tim Bliss, NIMR, UK

Graham Collingridge, University of Bristol, UK

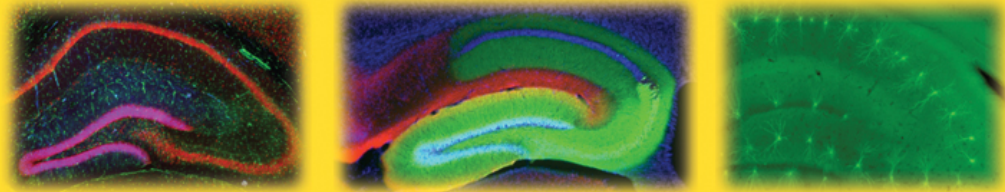
Matt Jones, University of Bristol, UK

Thomas McHugh, RIKEN BSI, Japan

Richard Morris, University of Edinburgh, UK

Ole Paulsen, University of Oxford, UK

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Understanding how cells and circuits in the mammalian brain encode, store and retrieve memories is a fundamental goal of neuroscience. To this end, a multidisciplinary approach using a combination of electrophysiological, pharmacological and behavioral tools has provided key evidence linking synaptic plasticity in the hippocampus and its essential role in learning and memory. More recent advances in mouse genetics, along with in vivo recordings of neuronal activity in behaving animals, have provided further insights into how plasticity, transmission, and oscillations in hippocampal and cortical circuits relate to function at the behavioral level. This workshop will feature a series of lectures by neuroscientists who have made important contributions to this field of research.

learning about

memory

cells, circuits and behavior