



Impaired Memory and Hippocampal Network Dysfunction in a Chronic Model of Temporal Lobe Epilepsy

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Department of Epileptology,
Seminar Room, ground floor

Laura Ewell is a postdoctoral fellow in the Laboratory of Jill Leutgeb in San Diego. Her work focuses on the network mechanisms that underlie pathological activity patterns in temporal lobe epilepsy, and how those abnormal patterns disrupt memory processing in the hippocampus. To this end, she combines *in-vivo* single unit recording and memory behavioral tasks in a model for temporal lobe epilepsy to gain insight into both network dysfunction during memory processing and the mechanisms for spontaneous seizure generation.