## **Description of Additional Supplementary Files**

File Name: Supplementary Movie 1

Description: **Simultaneous ECoG and video recorded during pilocarpine-induced seizures.** Simultaneous ECoG and video recordings were made during seizures induced by a pilocarpine injection into the mouse primary visual cortex. The animal is having motor manifestations during short ictal discharges; prolonged seizure activity is accompanied by rearing.