## **Description of Additional Supplementary Files**

**File name:** Supplementary Video S1 | Multimodal recording during seizure onset.

**Description:** Onset and spread of the seizure activity analyzed in Fig. 3 – Fig. 6. Here, we show the normalized fluorescence video (right), and the relevant data for one selected electrode (blue): fluorescence intensity beneath the electrode, LFP bandpower, spectrogram, and raw signal.