

Supplemental information

**CBD lengthens sleep but shortens ripples and leads
to intact simple but worse cumulative memory**

Anumita Samanta, Adrian Aleman-Zapata, Kopal Agarwal, Pelin Özsezer, Alejandra Alonso, Jacqueline van der Meij, Abdelrahman Rayan, Irene Navarro-Lobato, and Lisa Genzel

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Supplement Figures

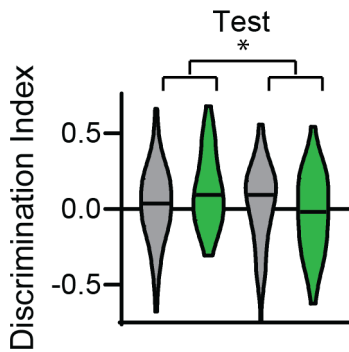


Fig. S1: Shown is the test data for all rats, related to Fig. 1.

The interaction CBD and Condition remained marginal significant (condition $F_{1,43}=5.0$ $p=0.03$ treatment $F_{1,43}=0.22$ $p=0.6$ interaction $F_{1,43}=3.0$ $p=0.089$).

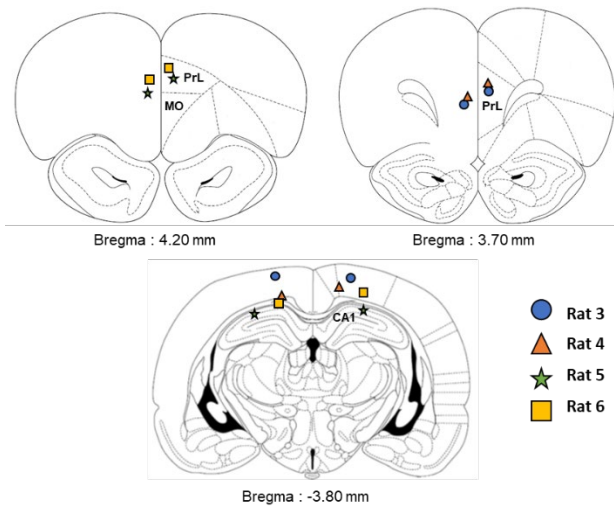


Fig. S2: Placement of electrodes after histological confirmation, STAR method bilateral wire drive implant.

Rat 3 did not reach the hippocampus and was only included for analysis of sleep stages and cortical events. All the other rats had at least one electrode with ripples.

A. NonREM Oscillations Rates

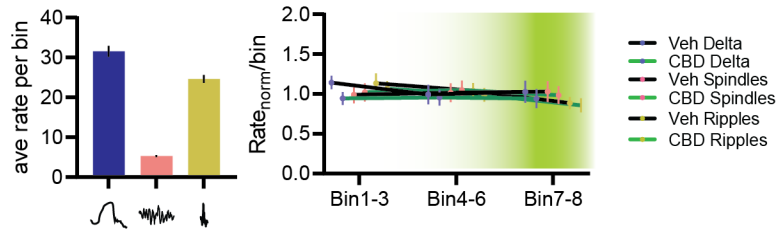


Fig. S3: Rates of NonREM oscillations, related to Fig. 3

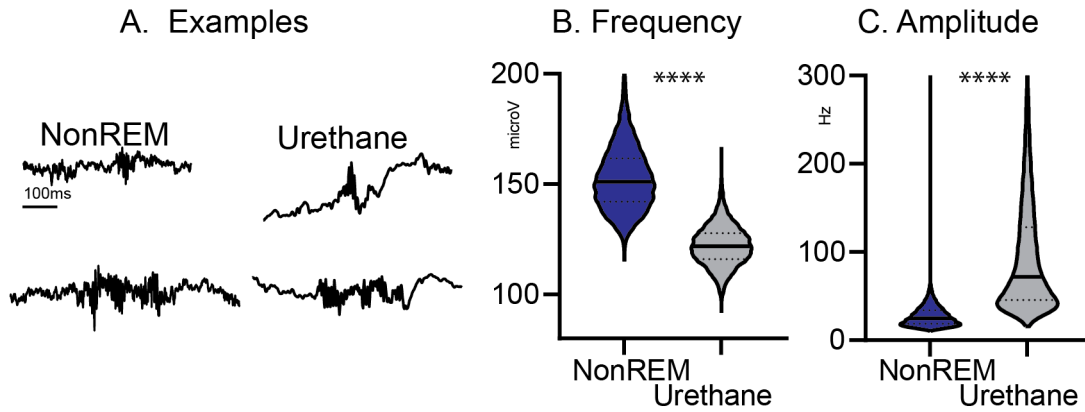


Fig. S4: NonREM and Urethane ripples, related to Fig. 3. Urethane came with slower and larger ripples. **** $p < 0.0001$ K-S, Fig. 3