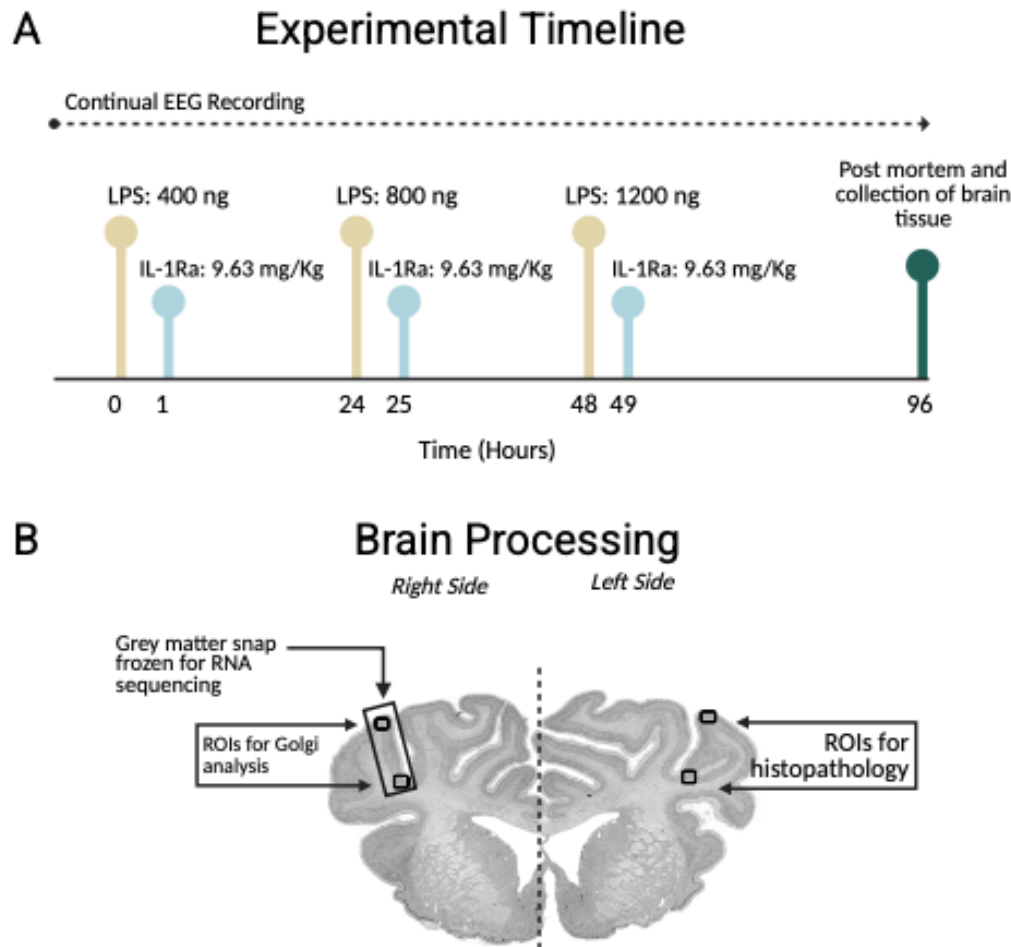


Supplementary Figures



Supplementary Figure 1. Experimental timeline (A). The study consisted of 3 groups: control (vehicle, $n = 9$), LPS + vehicle ($n = 8$) and LPS+IL-1Ra ($n = 9$). The yellow vertical lines show the timing of LPS/vehicle infusions. The vertical blue lines show the timing of IL-1Ra infusions (9.63 mg/kg) which were started 1 hour after LPS infusions. Controls received an equivalent volume of vehicle (saline) during the infusion periods. Continuous EEG recordings were performed throughout the experimental period. At 96 hours, brains were collected for pathological assessment. **Brain processing (B).** The right side of the brain was divided for RNA sequencing analysis and Golgi analysis of neurons. Squares indicate regions of interest for neuronal analysis. The left side of the brain was paraffin embedded for immunohistochemical analysis. Squares indicate regions of interest for histopathological assessment. Figure created with biorender.com.