**A**

Graph showing the relationship between membrane potential (Vm) and current (I). Lines represent different currents: I-Na, I-K, I-Na + TNF, and I-K + TNF.

**B**

Bar graphs comparing maximum current in control and TNF conditions. Mean ± SEM, n=8.

**C**

Graphs showing spontaneous excitatory postsynaptic currents (sEPSCs) in control and TNF conditions. Scale bar indicates 5 pA per second.

**D**

Bar graphs comparing sEPSC amplitude and rate of events per second in control and TNF conditions. Mean ± SEM, n=11 for control and n=15 for TNF.