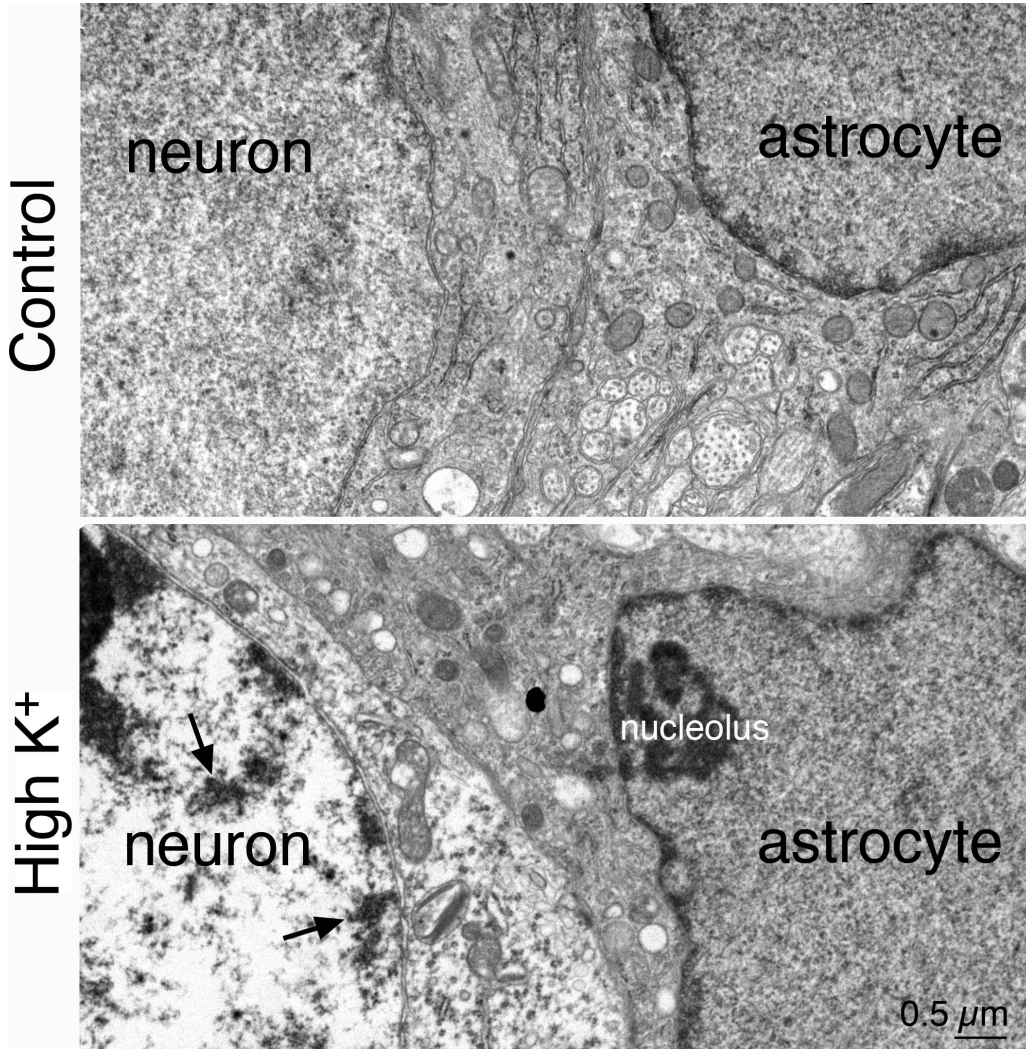


**Additional file 2. Chromatin clustered upon depolarization in neurons but not in astrocytes.**



In hippocampal slice cultures under control conditions, neuronal chromatin appeared non-clustered while the chromatin in astrocytes showed a dark rim of irregular thickness. Upon treatment with high  $K^+$  (90 mM for 3 min), neuronal chromatin formed dark aggregates (arrows) while no structural changes were detected in the nucleus of astrocytes. Scale bar = 0.5  $\mu\text{m}$ .