



**Figure S1.** Representative images of enriched cortical neuron cultures and co-cultures containing neurons and microglia. Enriched cortical neuron cultures (wild-type, WT, C56BL/6 and *Tlr7*<sup>-/-</sup>) and WT co-cultures containing neurons and microglia were immunostained with NeuN (red fluorescence) or analyzed by phase-contrast microscopy, as indicated. 20× magnification.