

N.S.: not significant, one-way ANOVA.

Averaged data for microglial tip velocity **(a)** and directionality **(b)** imaged *in vivo* from P42 mice offspring following injection of saline at E12 (E12 Ctrl) or Poly(I:C) at E12 (E12 MIA) or E15 (E15 MIA). Imaging was done under basal conditions (i.e. without LPS, cf. Figure 3 in main text). E12 saline and Poly(I:C) -injected mice; n = 28 cells from 8 mice in each group; E15 Poly(I:C) -injected mice; n = 12 cells from 4 mice.