Supplementary Fig. 4: siRNA-treated neurons showed no significant differences in viability, whereas significant differences were evident in neuronal polarization. 

(a) Apoptosis index (determined by Hoechst staining) of hippocampal pyramidal neurons cultured for 6, 12, 18 or 24 h in control conditions or in the presence of IGF-1 r siRNA. Numbers are the mean of three independent experiments +/- s.e.m., 300 cells were scored for each condition. 

(b) Cell viability (determined by the criterion of Trypan Blue exclusion) of hippocampal pyramidal neurons cultured for 6, 12, 18 or 24 h in control conditions or in the presence of IGF-1 r siRNA. Numbers are the mean of three independent experiments +/- s.e.m., 250 cells were scored for each condition. 

(c) Total number of hippocampal pyramidal neurons/mm² cultured for 6, 12, 18 or 24 h in control conditions or in the presence of IGF-1 r siRNA. Numbers are the mean of three independent experiments +/- s.e.m., 3 fields at random were scored for each condition in each experiment. 

(d) Percentage of polarization of hippocampal pyramidal neurons cultured for 6, 12, 18 or 24 h in control conditions or in the presence of IGF-1 r siRNA. Numbers are the mean of three independent experiments +/- s.e.m., 300 cells were scored for each condition.