

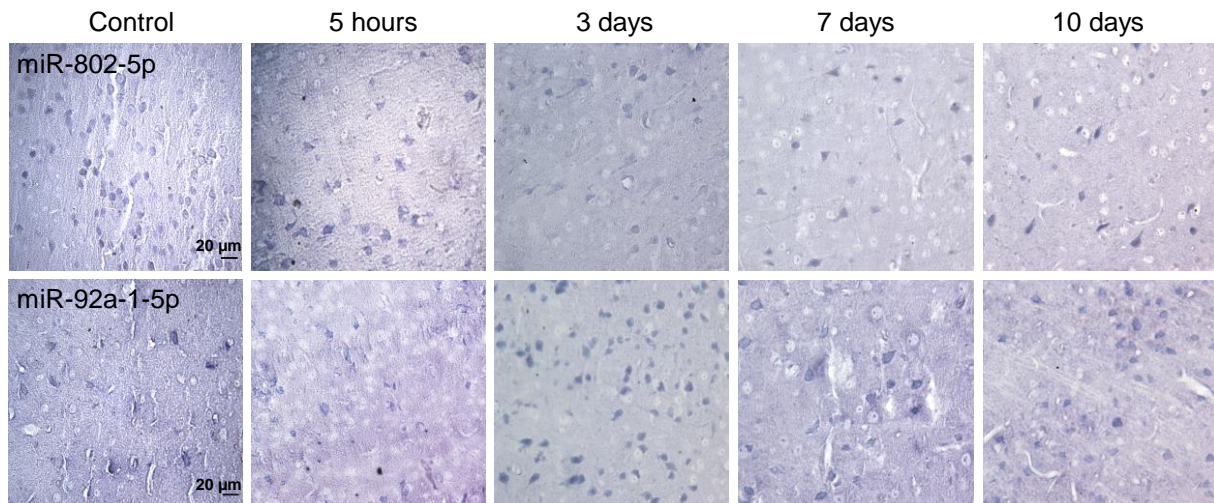
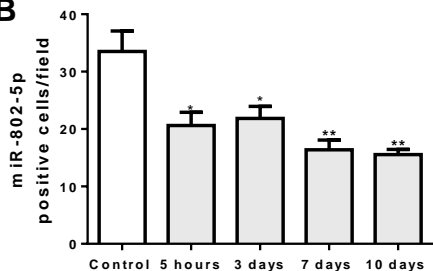
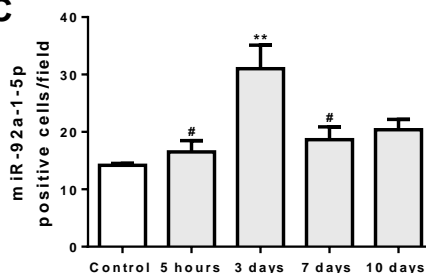
A**B****C**

Figure S1. miR-802-5p and miR-92a-1-5p expression varies along breast cancer brain metastasis formation. 4T1 cells or vehicle (Control) were inoculated in the carotid artery of female Balb/c mice and after 5 hours, 3, 7 or 10 days brains harvested upon sacrifice. Sections of cranial hippocampus were processed for in situ hybridization (ISH) analysis of one of the predicted downregulated (miR-802-5p) and upregulated (miR-92a-1-5p) miRNAs, evidenced by a blueish coloration expression of these miRNAs in brain cells (**A**). Semi-quantitative analysis of the number of each miRNA positive cells per field highlighted miR-802-5p downregulation for all the timepoints studied comparatively to control (**B**) while miR-92a-1-5p upregulation was only significant after 3 days (**C**). Scale bar: 20 μm. Statistical differences are denoted as * $p < 0.05$, ** $p < 0.01$, vs. control or as # $p < 0.05$ vs. 3 days by one-way ANOVA. Data represented are means \pm SEM, $n = 3$.