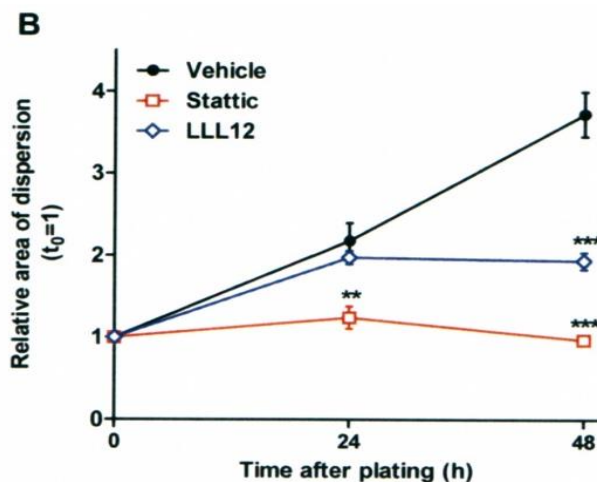
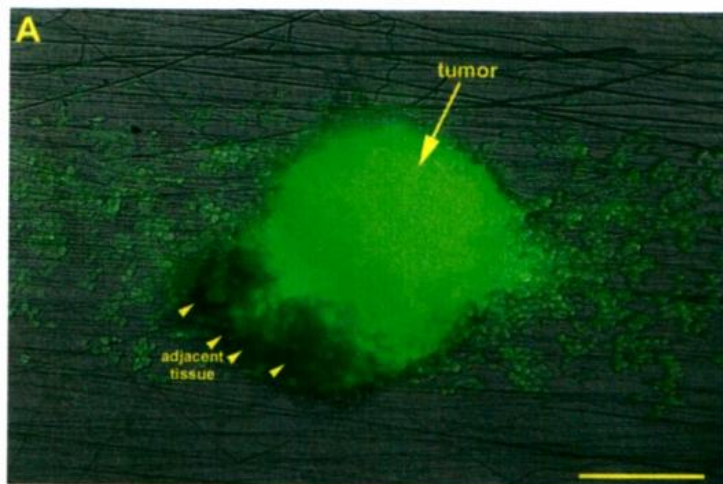
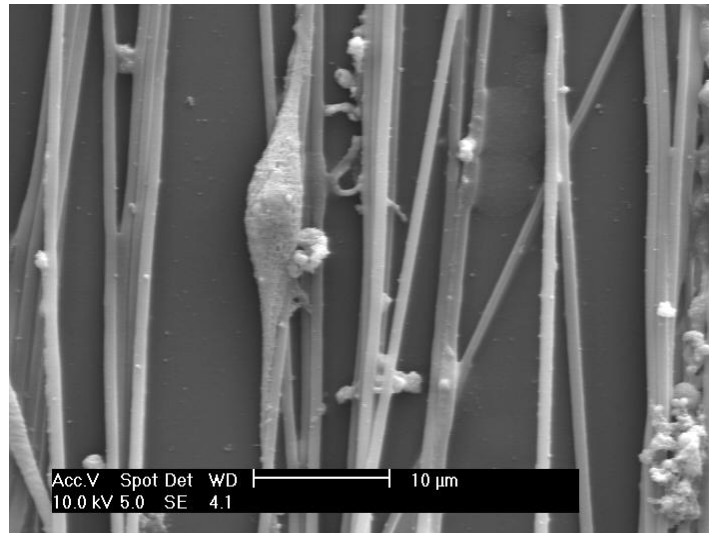
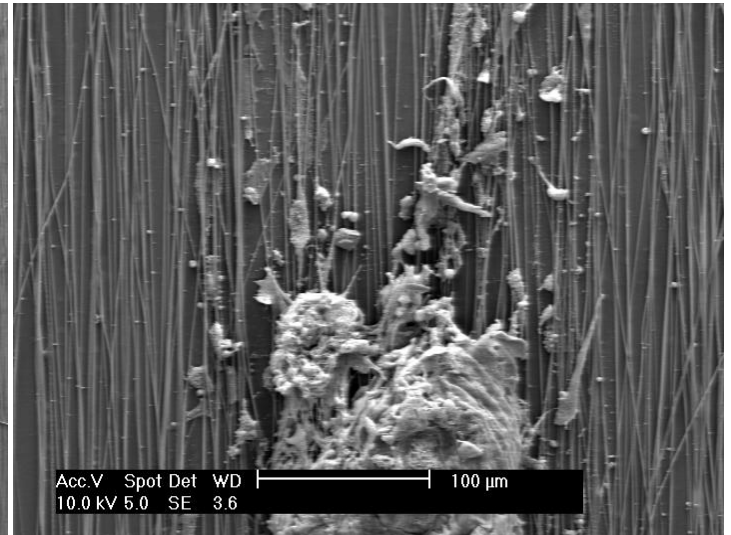
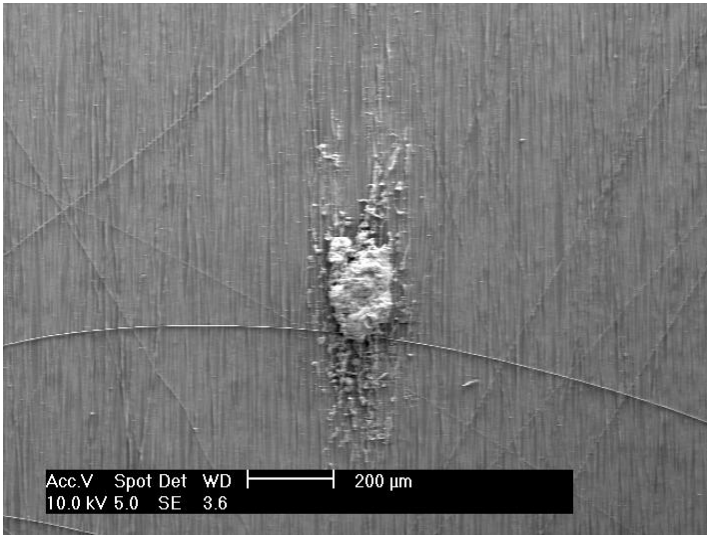


*Ex-vivo* human glioblastoma samples were cultured on aligned nanofiber multiwell plates to quantify migration of tumor cells from the central tumor along the nanofibers. All images were taken through the nanofiber substrate.



*Ex-vivo* tumor samples were also treated with two drugs (Stattic and LLL-12) to stop cancer cell motility. Both drugs exhibited a significant decrease in tumor cell migration on the aligned nanofiber substrate.



Scanning electron microscope images of an *ex-vivo* human glioblastoma tumor sample cultured on aligned nanofibers showing the tumor dispersion along the nanofibers exactly how they would migrate *in vivo* along the white matter within the brain and central nervous system.