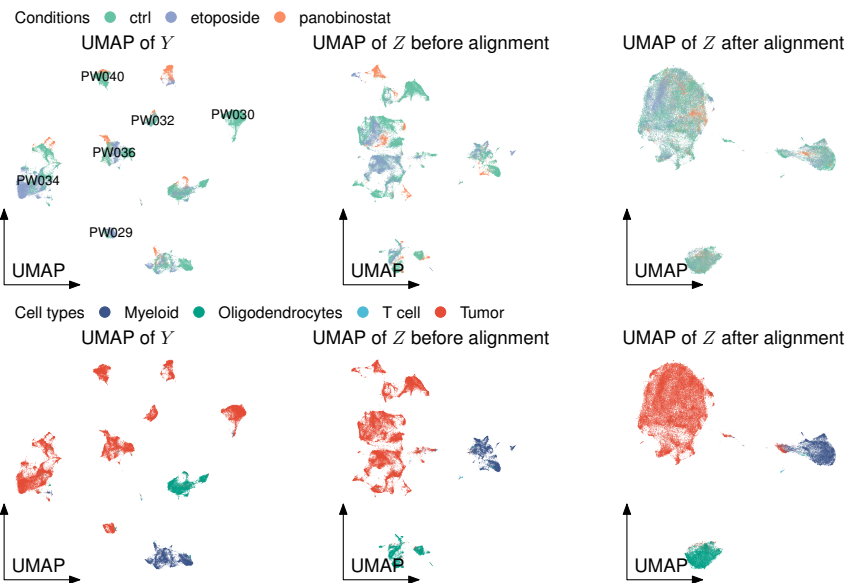


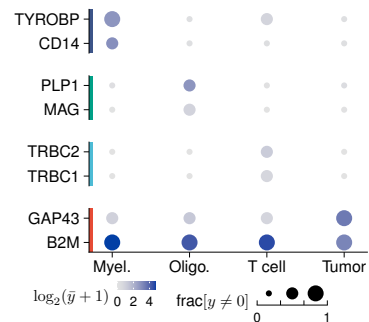
# (A) Glioblastoma experimental design



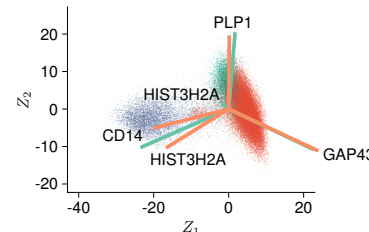
## (B) Alignment with LEMUR adjusting for patient and treatment effect



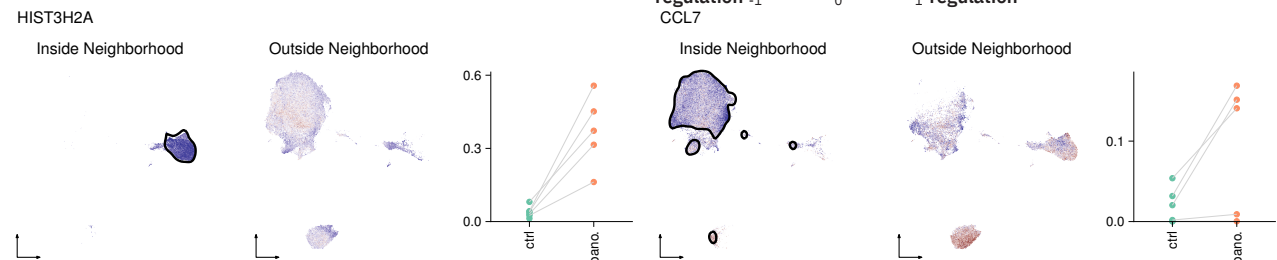
## (C) Cell type assignment



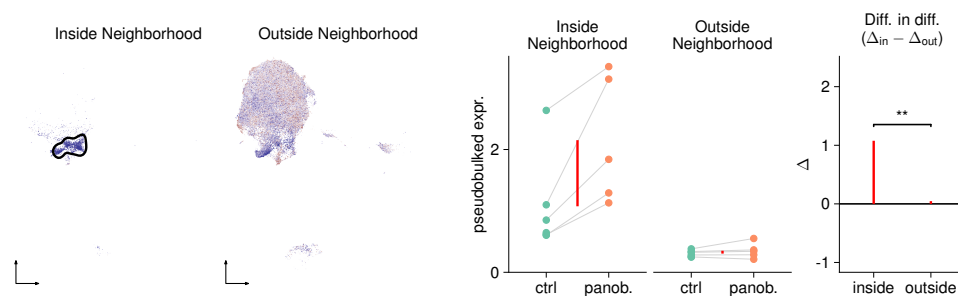
## (D) Multi-condition biplot



## (E) Cluster-free differential expression. Panobinostat causes



## (F) Panobinostat stimulates PDIA4 up-regulation in a subpopulation of tumor cells



## (G) Subpopulation markers in control condition

