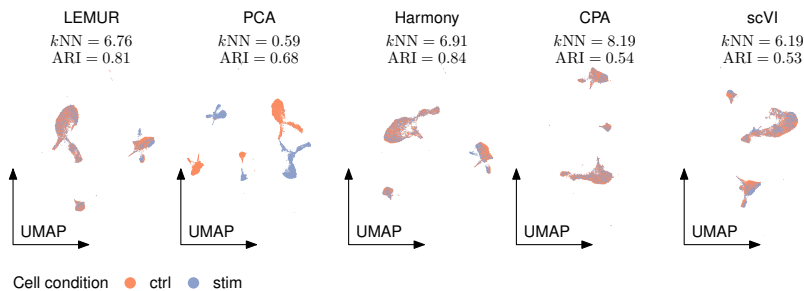
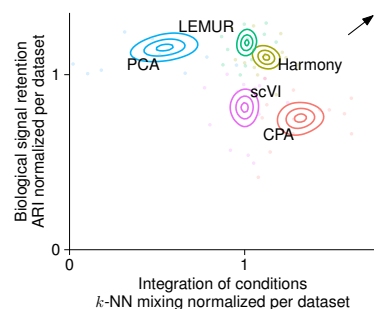


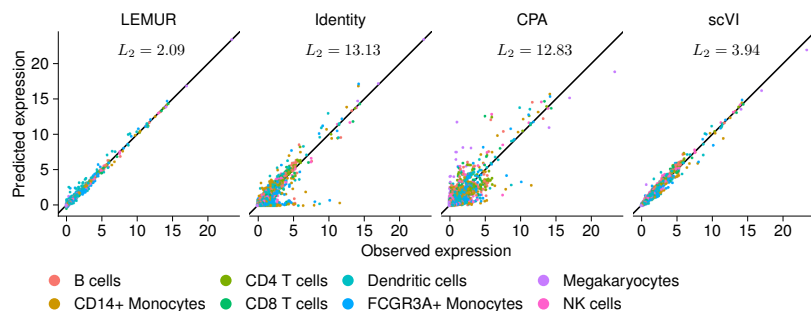
(A) Latent space (Z) of Lupus patient samples treated with IFN- β (Kang)



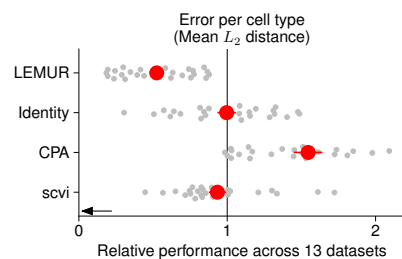
(B) Integration Performance



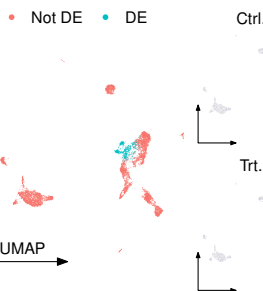
(D) Predicted vs. observed gene expression per cell type



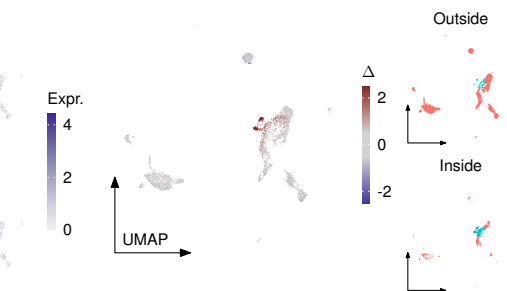
(E) Prediction performance



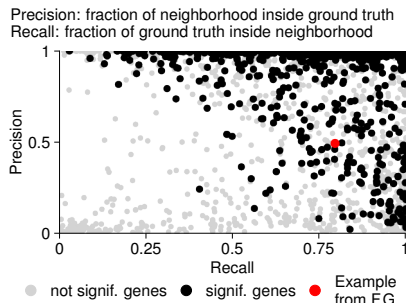
(F) Simulated DE



(G) Predicted DE with neighborhood

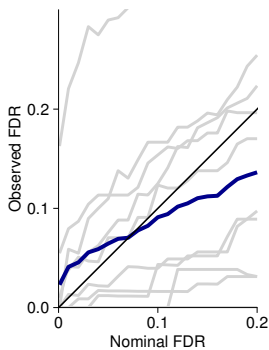


(H) Neighborhood & ground truth overlap



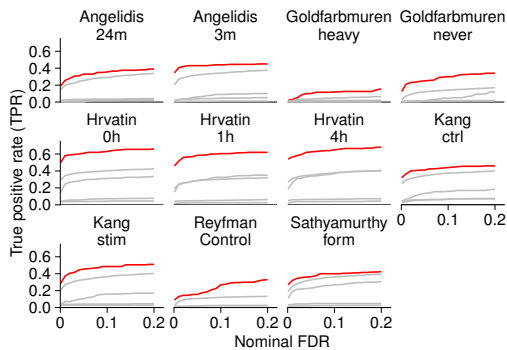
(I) FDR control

Eleven datasets (mean)



(J) DE-test Power

Comparison of LEMUR against four other DE. methods



(K) Power by no. cell with expr. change

Fraction of simulated genes (grey) with FDR < 0.1 (blue)

