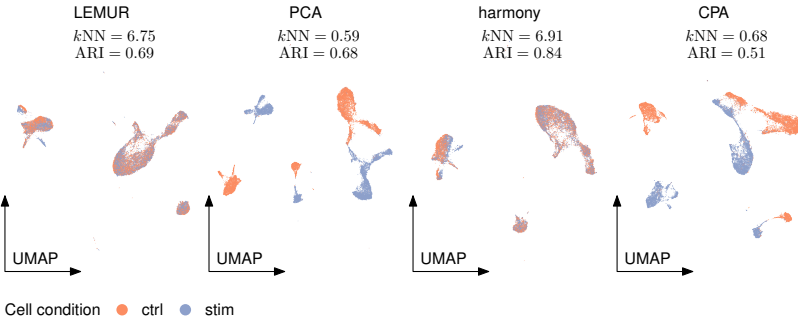
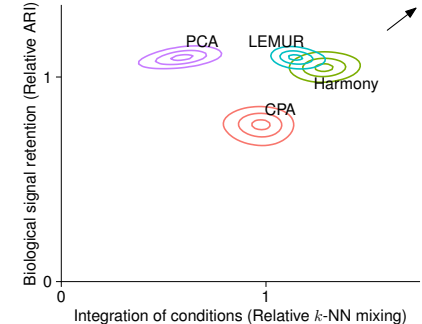


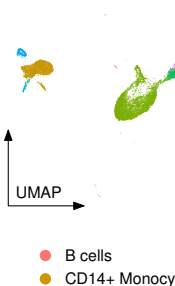
(A) Latent space (Z) of Lupus patient samples treated with IFN- β (Kang)



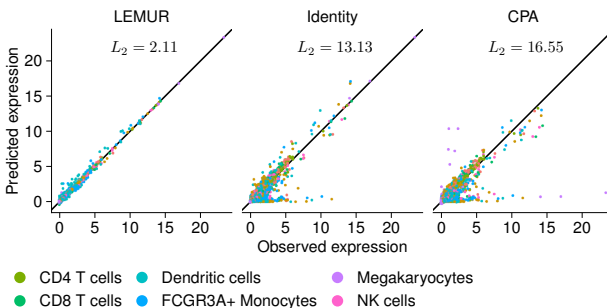
(B) Integration performance



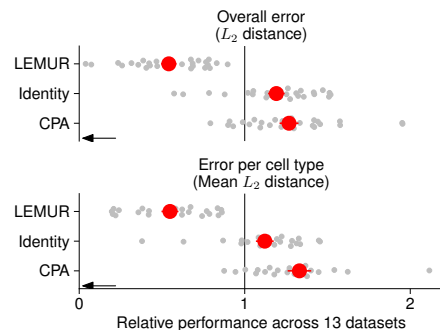
(C) Z colored by cell type



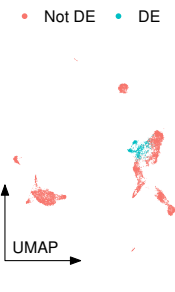
(D) Predicted vs. observed gene expression per cell type



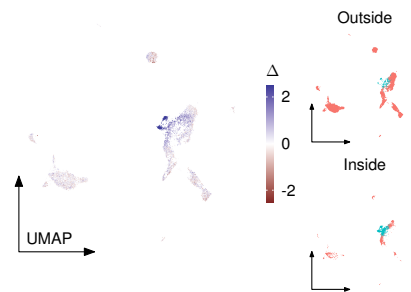
(E) Prediction performance



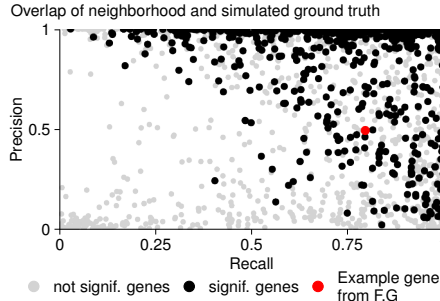
(F) Simulated DE



(G) Predicted DE with neighborhood

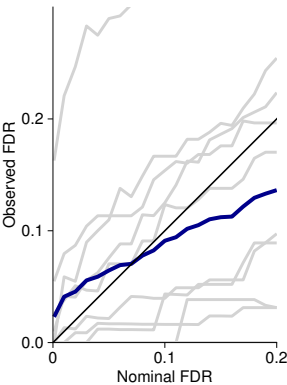


(H) Neighborhood Precision and Recall



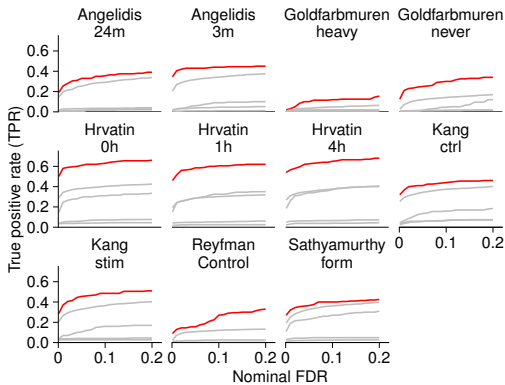
(I) FDR control

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 $\min FDR_g < 0.1$ (blue)

