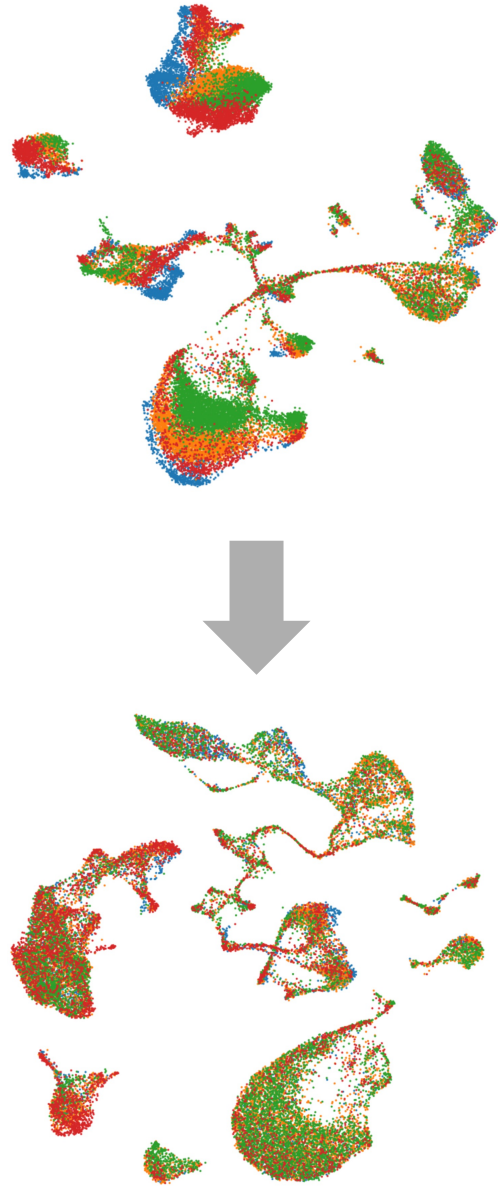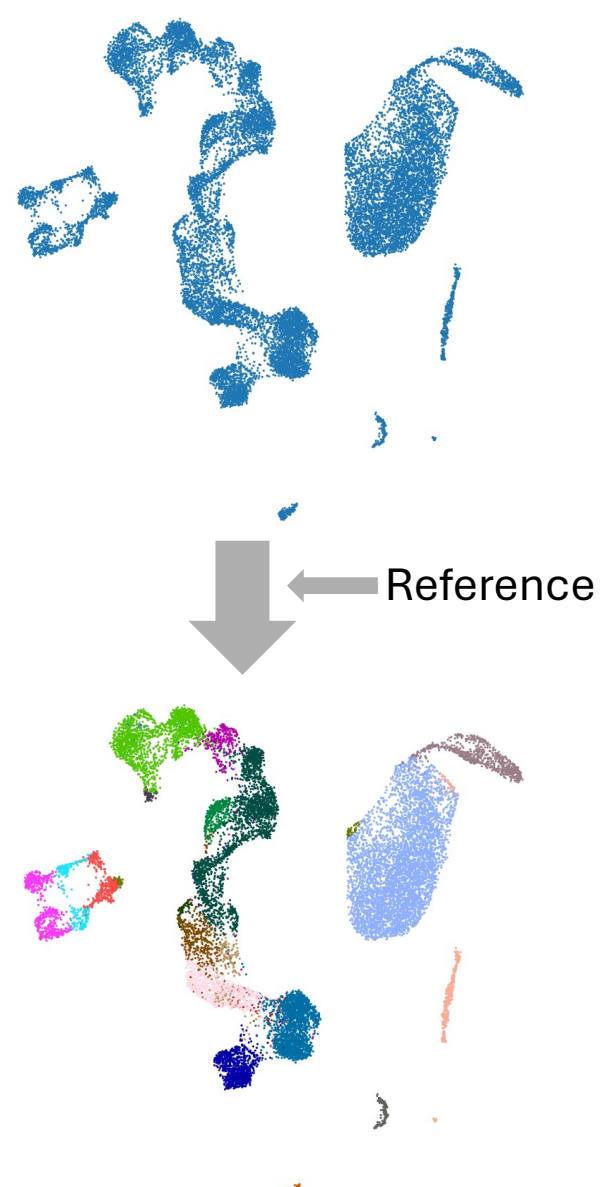# CellDiffusion functions