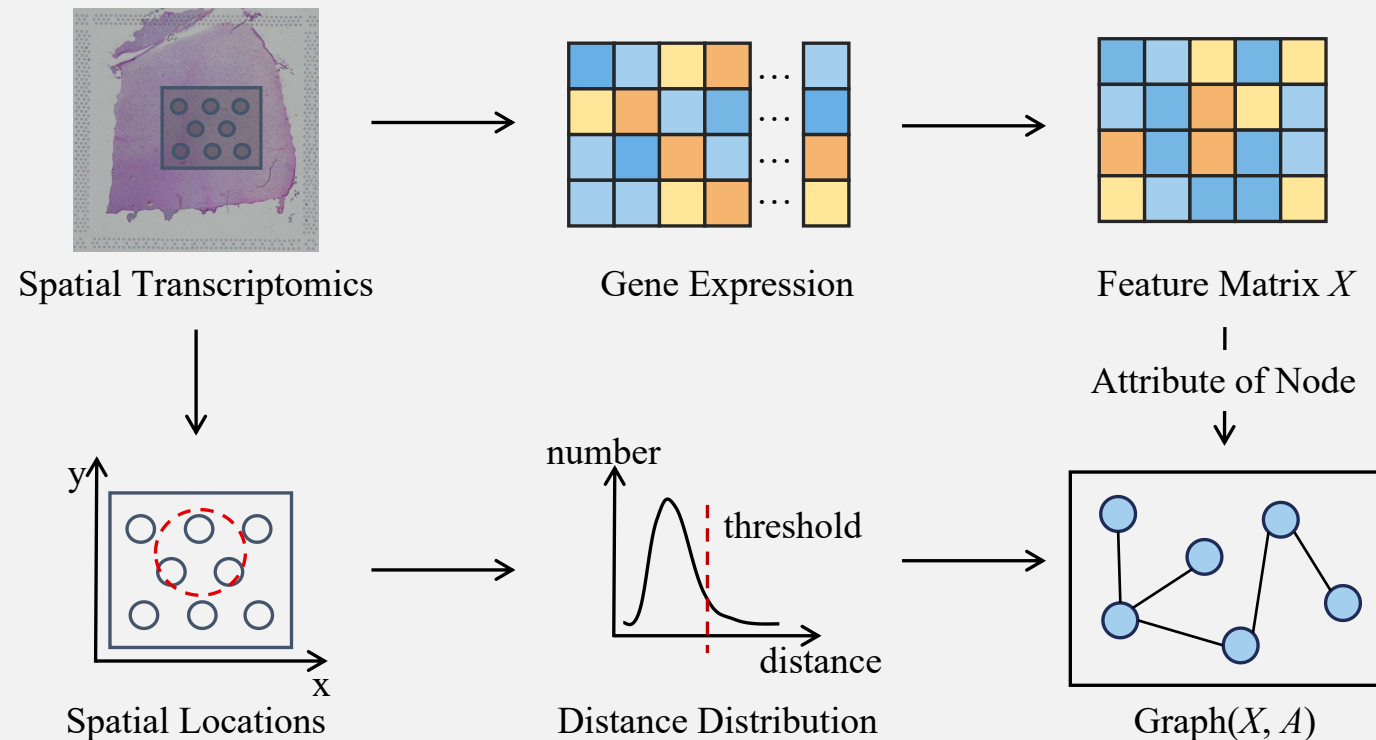
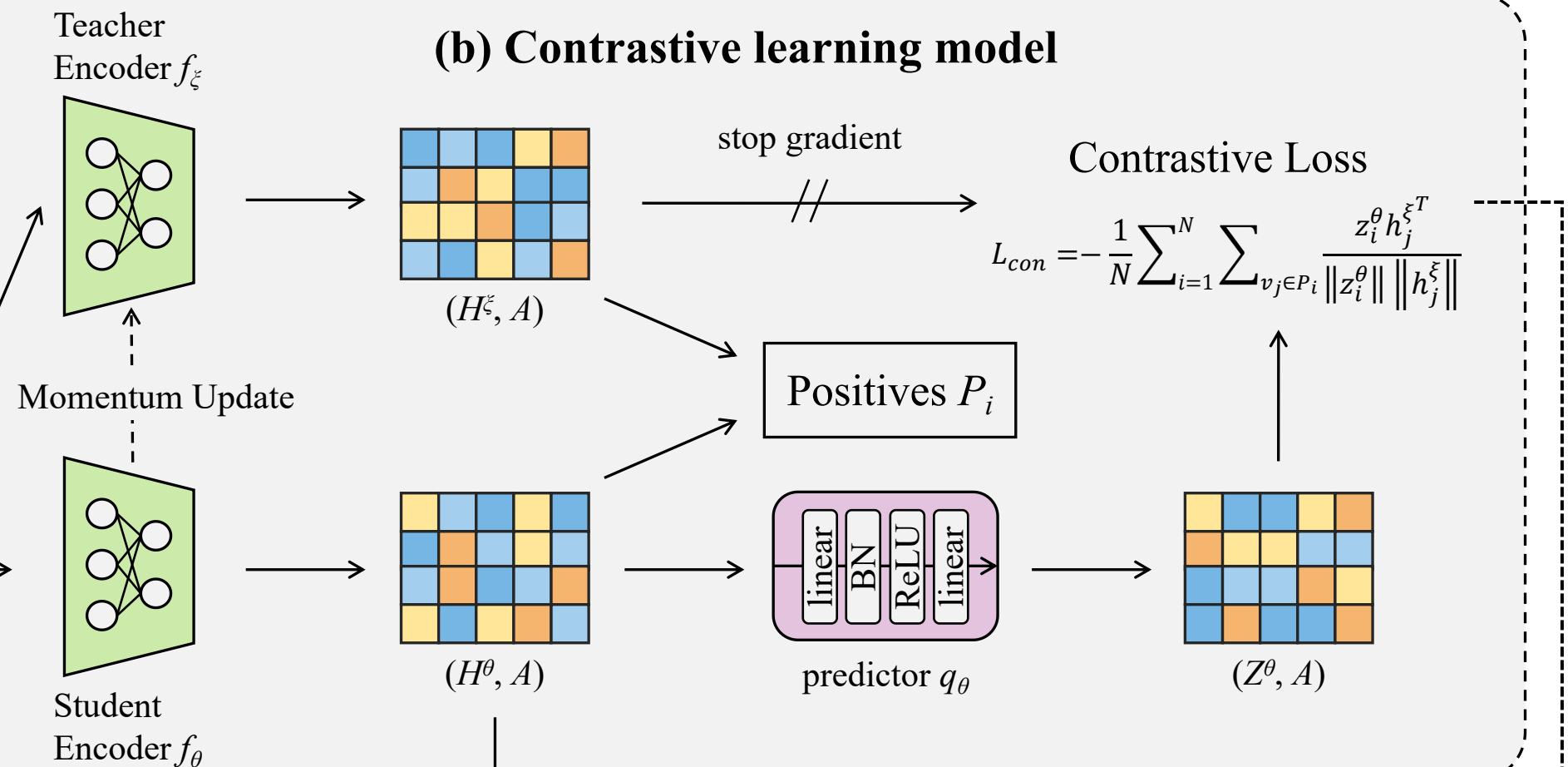


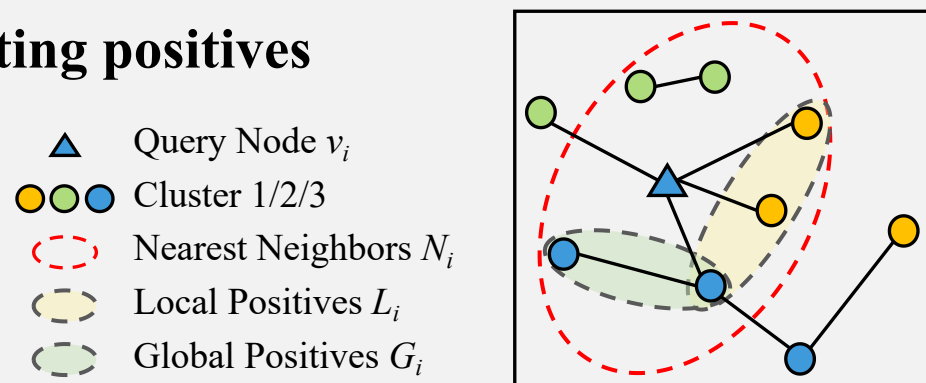
(a) Data preprocessing



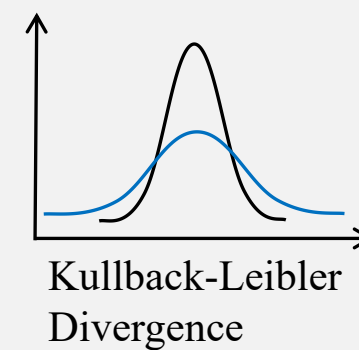
(b) Contrastive learning model



(c) Selecting positives



(d) Clustering



$$L_{all} = L_{con} + L_{cluster}$$