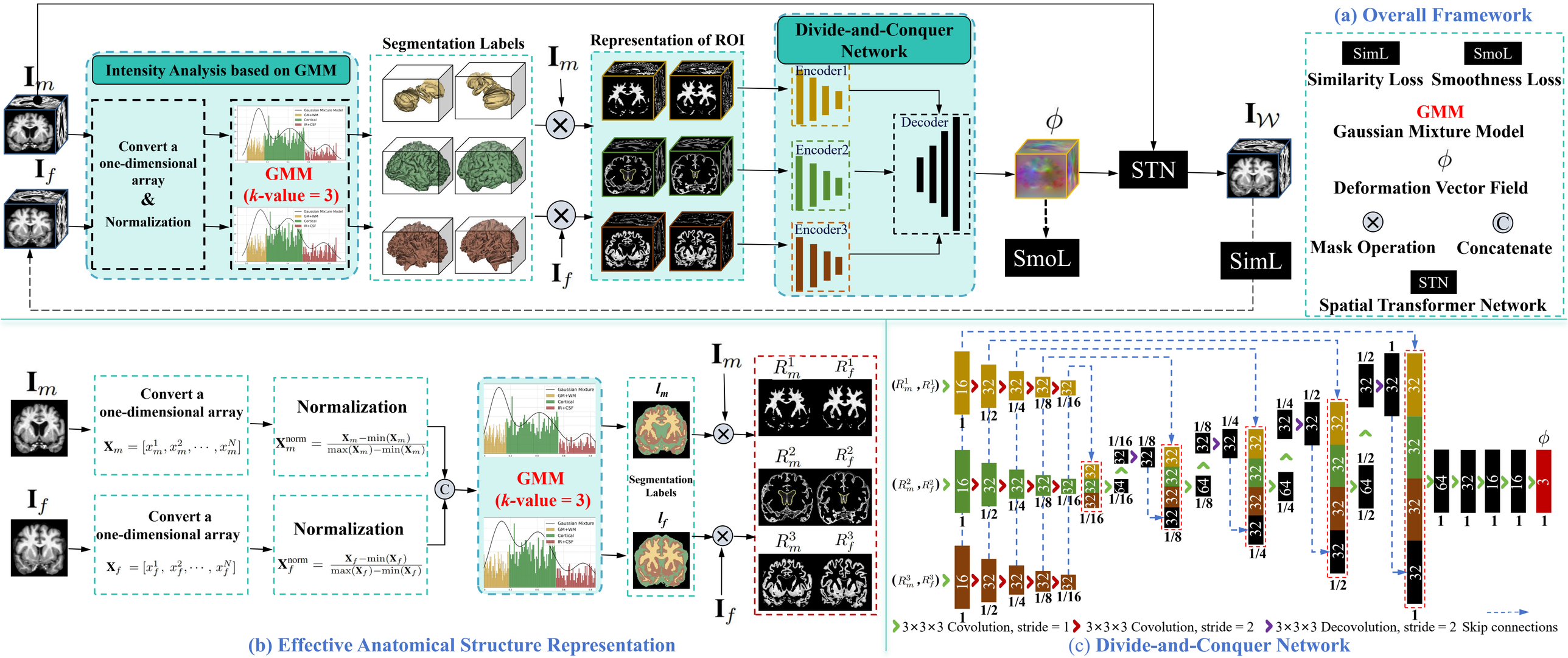
(a) Overall Framework
Intensity Analysis based on GMM
Convert a one-dimensional array & Normalization
GMM (k-value = 3)
Segmentation Labels
Representation of ROI
Divide-and-Conquer Network
Encoder1
Encoder2
Encoder3
Decoder
STN
SmoL
SimL
SimL
SmoL
Similarity Loss
Smoothness Loss
GMM
Gaussian Mixture Model
Deformation Vector Field
Mask Operation
Concatenate
STN
Spatial Transformer Network
Convert a one-dimensional array
Normalization
GMM (k-value = 3)
Segmentation Labels
(b) Effective Anatomical Structure Representation
3×3×3 Covolution, stride = 1
3×3×3 Covolution, stride = 2
3×3×3 Decovolution, stride = 2
Skip connections
(c) Divide-and-Conquer Network