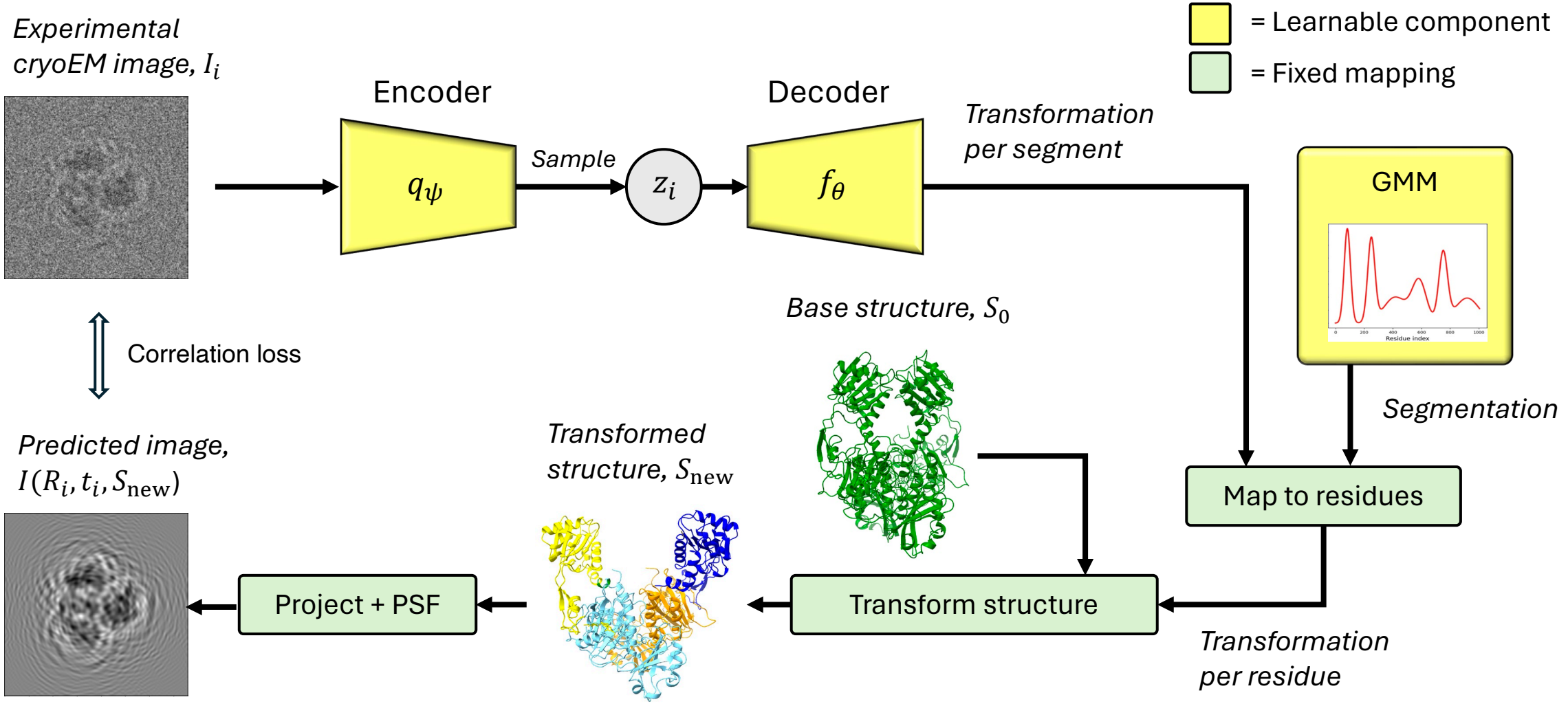
= Learnable component
= Fixed mapping
Experimental cryoEM image, I_i
Encoder
q_ψ
Sample
z_i
Decoder
f_θ
Transformation per segment
GMM
Residue index
Segmentation
Correlation loss
Base structure, S_0
Map to residues
Predicted image, $I(R_i, t_i, S_{\text{new}})$
Transformed structure, S_{new}
Project + PSF
Transform structure
Transformation per residue