

# Relation U-Net

Sheng He, Rina Bao, P. Ellen Grant, Yangming Ou



Boston Children's Hospital

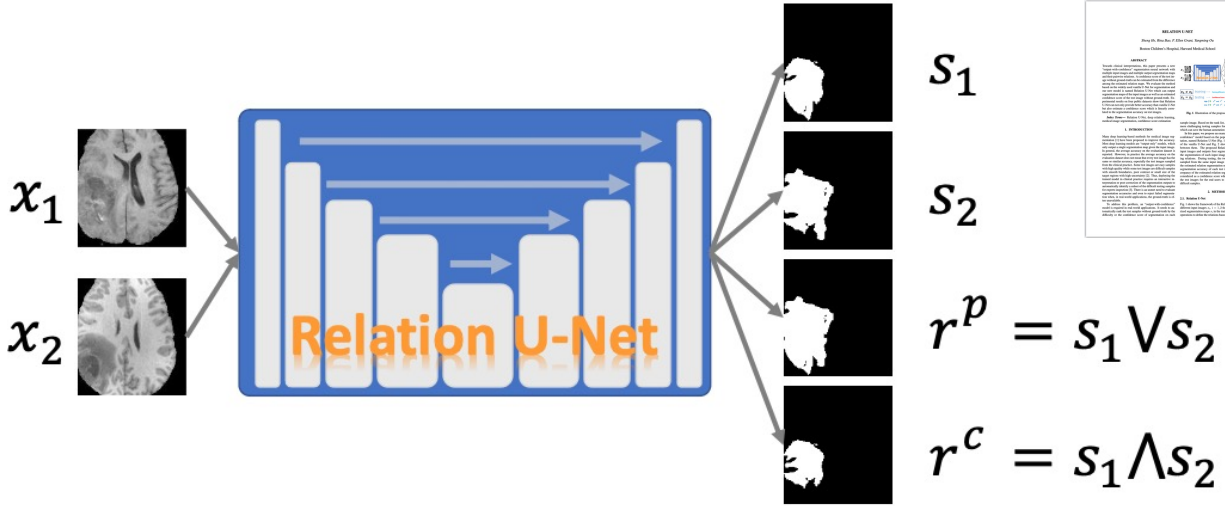


HARVARD  
MEDICAL SCHOOL



ISBI 2025  
2025 IEEE International Symposium on Biomedical Imaging  
April 14-17, 2025 | Houston, TX, USA

Poster No. 1571082195



$x_1 \neq x_2$  training  $\rightarrow$  Training different subnetworks for relations  $r^p$  and  $r^c$

$x_1 = x_2$  testing  $\rightarrow$  Confidence Score:  $C = \mathcal{D}(r^p, r^c)$

High  $C \Rightarrow r^p$  and  $r^c$  are consistent for **easy** samples

Low  $C \Rightarrow r^p$  and  $r^c$  are inconsistent for **difficult** samples

