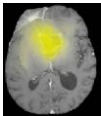


a

Tumor
Concentration

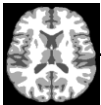


Direct
Inverse
Prediction

 θ

PDE
Coefficients

Brain Tissue

**b**

PDE
Coefficients

 θ

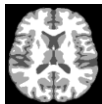
$\nabla_{\theta} \hat{C}$ Gradient-based optimization

Forward
Neural Surrogate

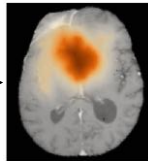
 f_{ϕ}

(Fixed Weights)

Brain Tissue



Predicted Tumor
Concentration



Loss

Simulation
Ground Truth

