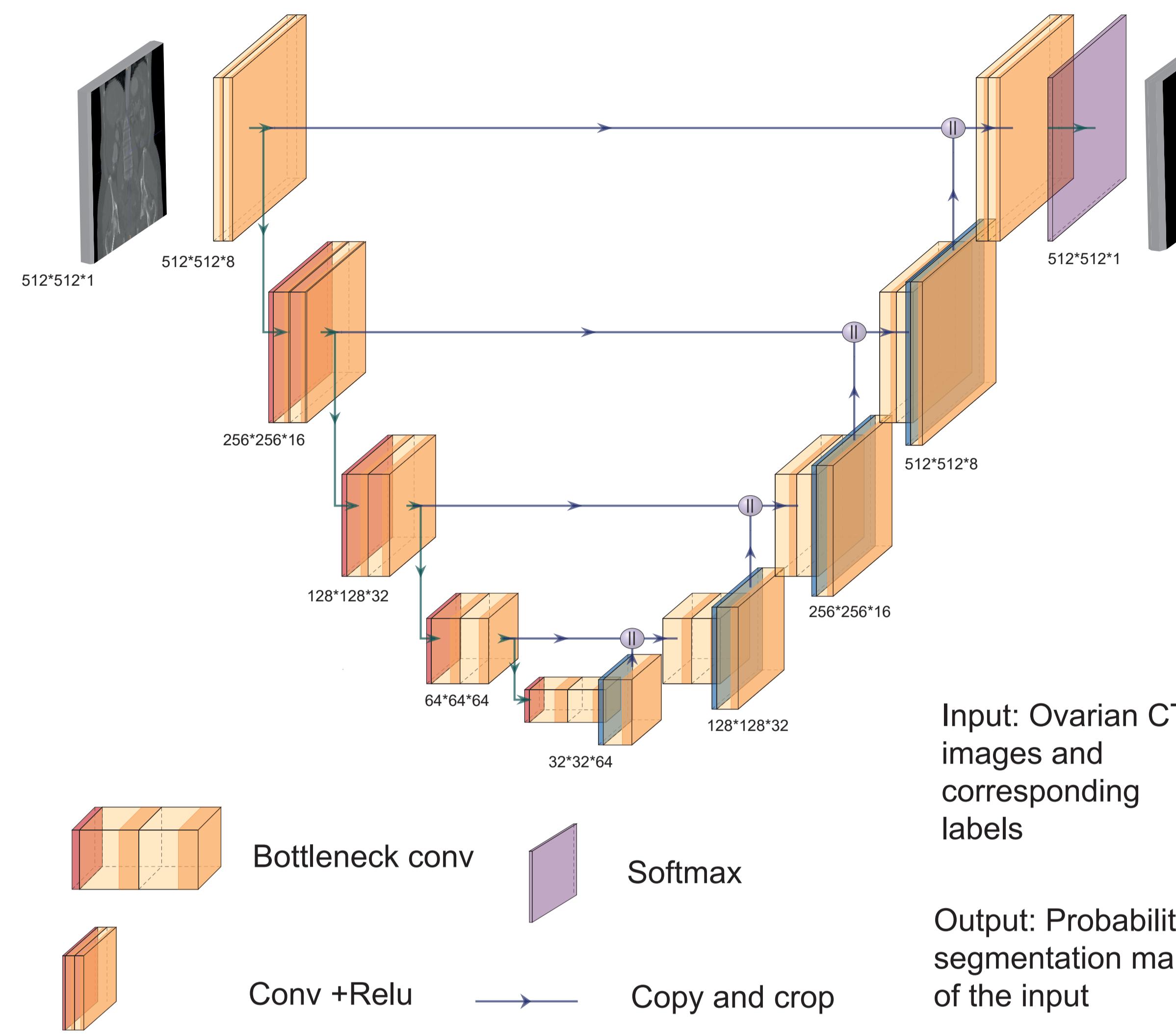


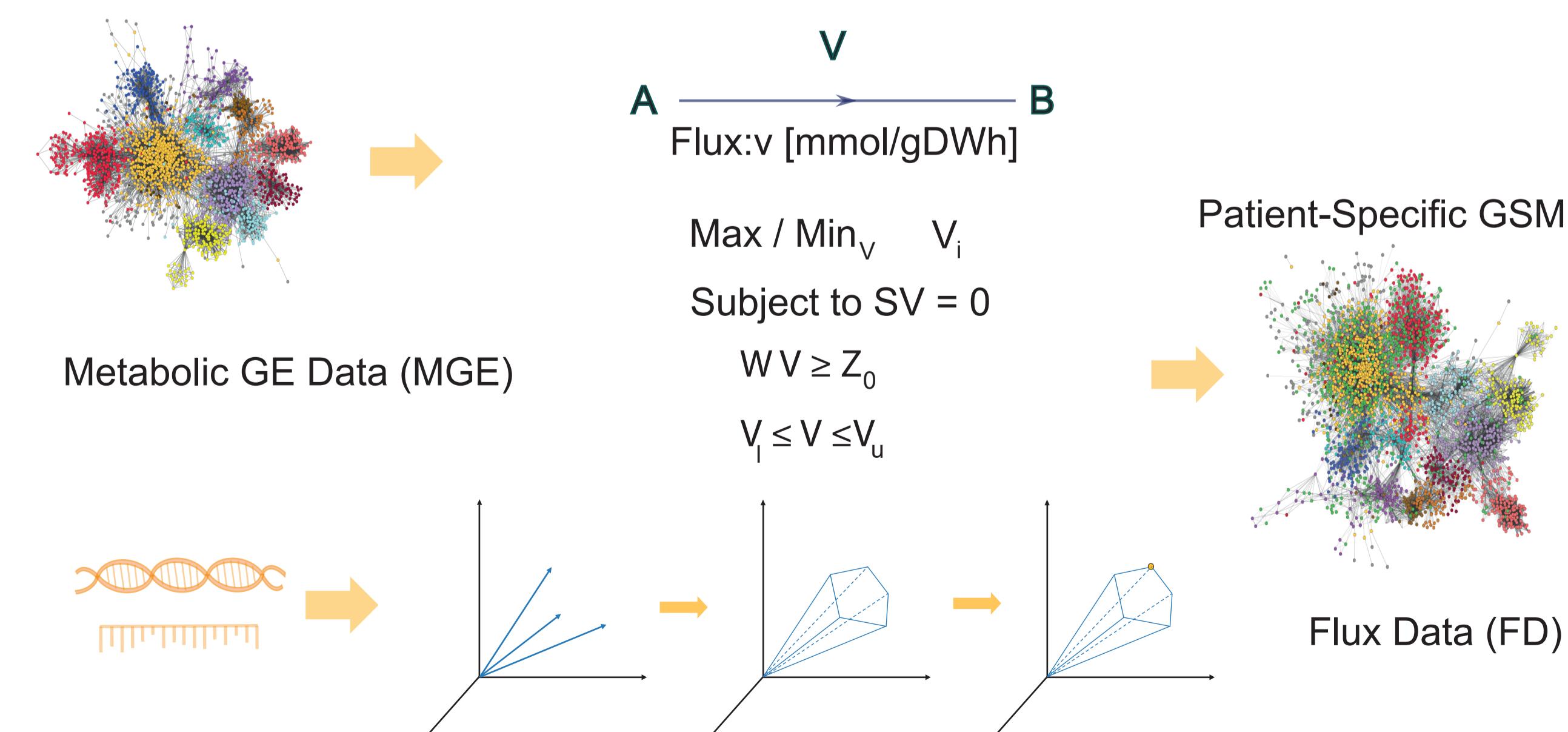
## 1. Feature Generation and Augmentation

### (A) Extracting 3D tumour patch using U-net

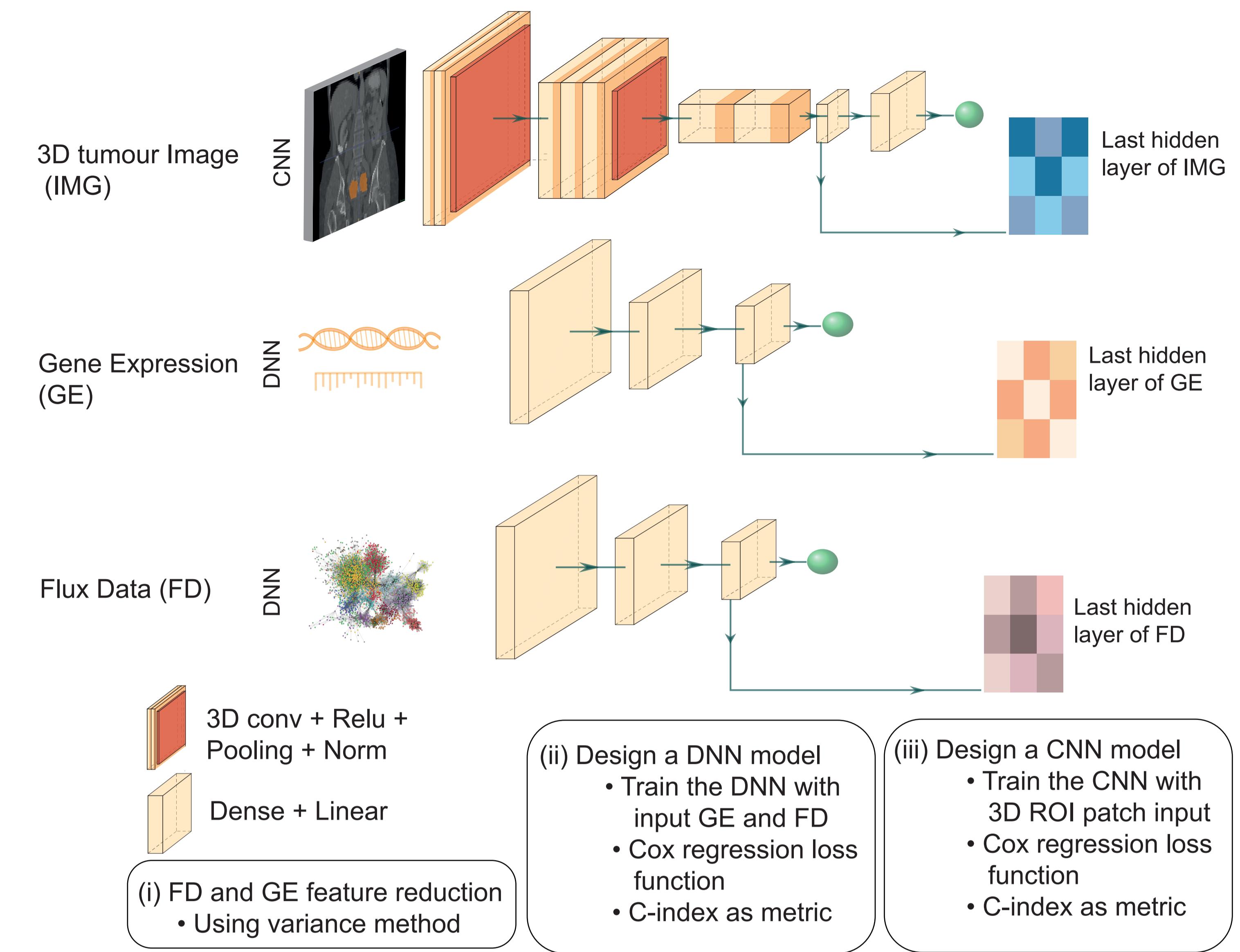


### (B) Genome-Scale Metabolic Modelling (GSMM)

Genome-Scale Metabolic Model (GSMM)    Genome-Scale Models with MGE Constraints



## 2. Multi-Modal Deep Learning Data Representation



## 3. Patient-Specific Survival Prediction Models

