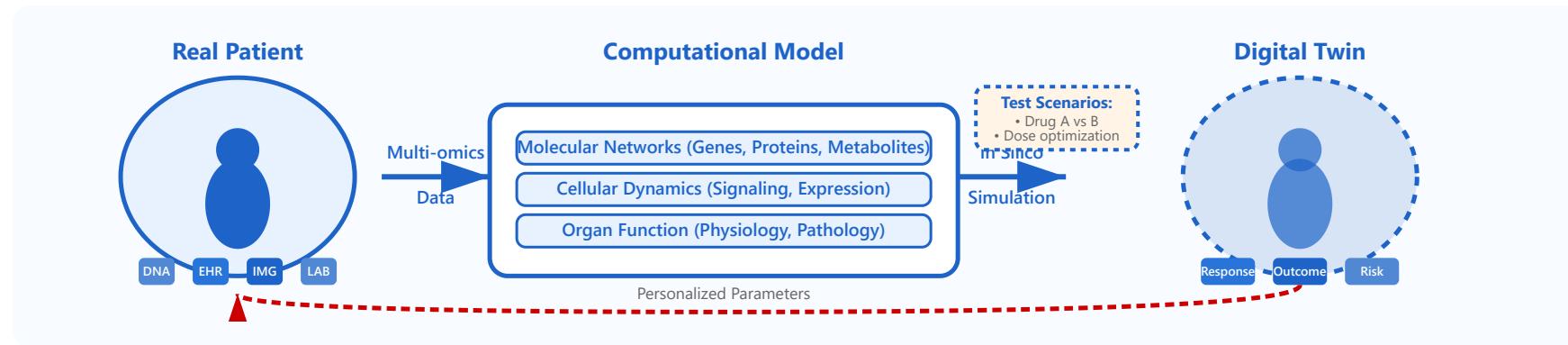


Digital Twins in Medicine



Patient Models

Computational patient representations

Simulation Frameworks

In silico clinical trials

Parameter Estimation

Personalizing model parameters

Treatment Optimization

Simulating treatment strategies

Validation Approaches

Comparing predictions to reality