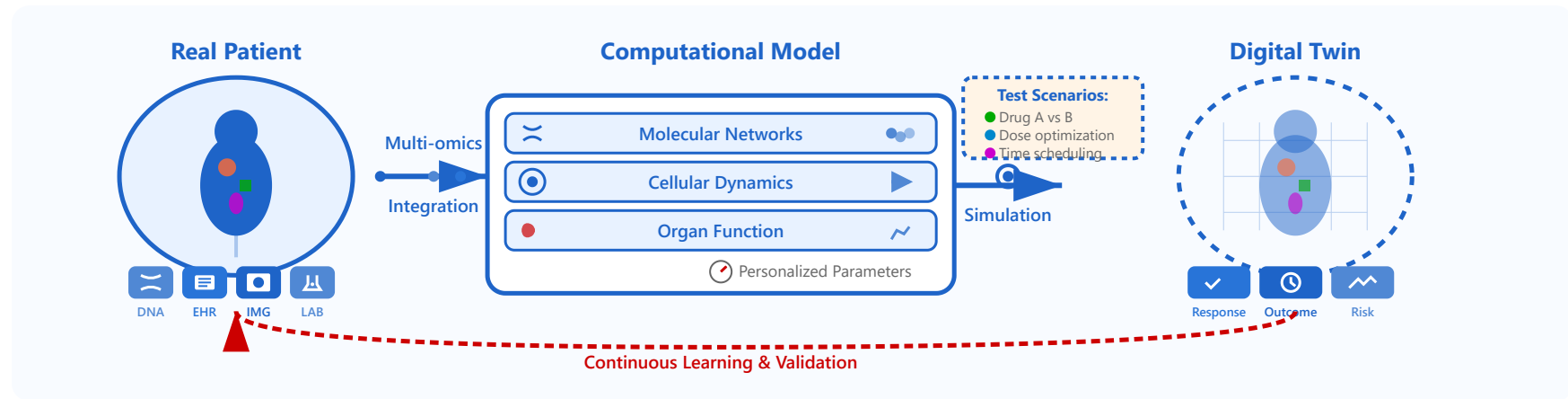


# Digital Twins in Medicine



## 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