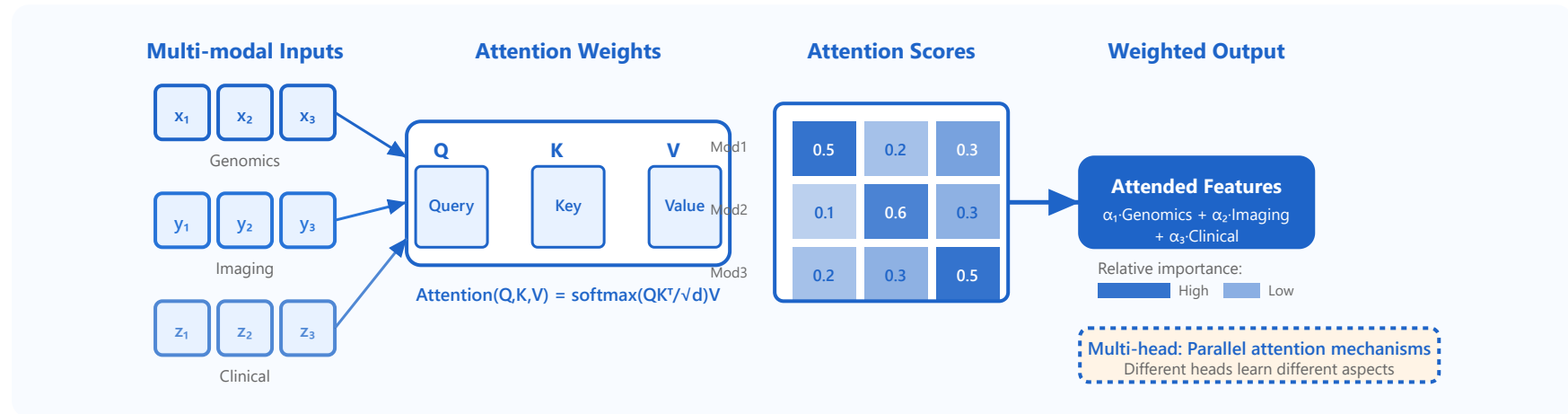


# Attention-based Integration



## Self-attention Fusion

Learning importance weights within modalities

## Cross-attention

Attention between different data modalities

## Multi-head Attention

Multiple attention perspectives simultaneously

## Hierarchical Attention

Feature and sample-level attention

## Interpretability

Attention weights as biological insights