

1) Reasoning over the KG



2) Overlaying drug-perturbed signatures



3) Overlaying disease-specific signatures



Drug prioritization



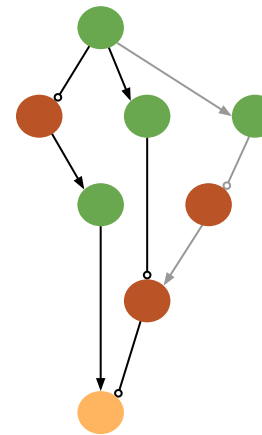
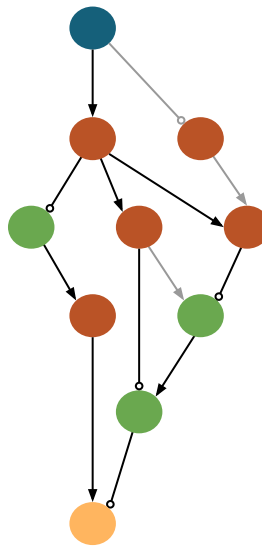
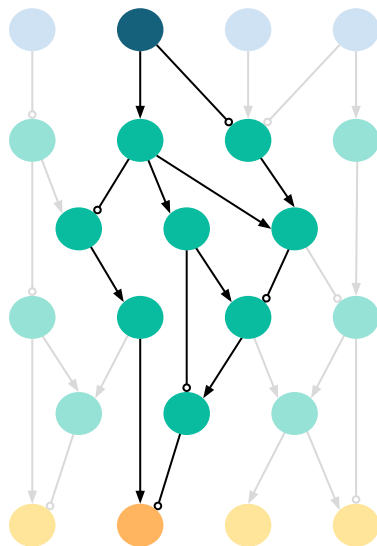
Chemicals



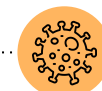
Proteins



Diseases



Chemical X



Disease Y



→ Activation

→○ Inhibition

● Up-regulated protein

● Down-regulated protein

→ Non-concordant

→ Concordant