

Disease

Simulated treatment



Effect of the "Drug1" drug?

In silico treatment



1. Orthology mapping

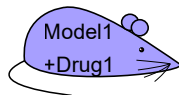
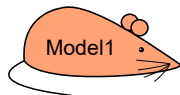
Assumes: mapping is complete enough to make sound predictions

3. Apply fold changes to orthologs

Assumes: functions tend to be conserved

2. Treatment

Assumes: reverting disease fold changes may treat disease



Insufficient effect?

Unwanted effects?

Disease reversal?