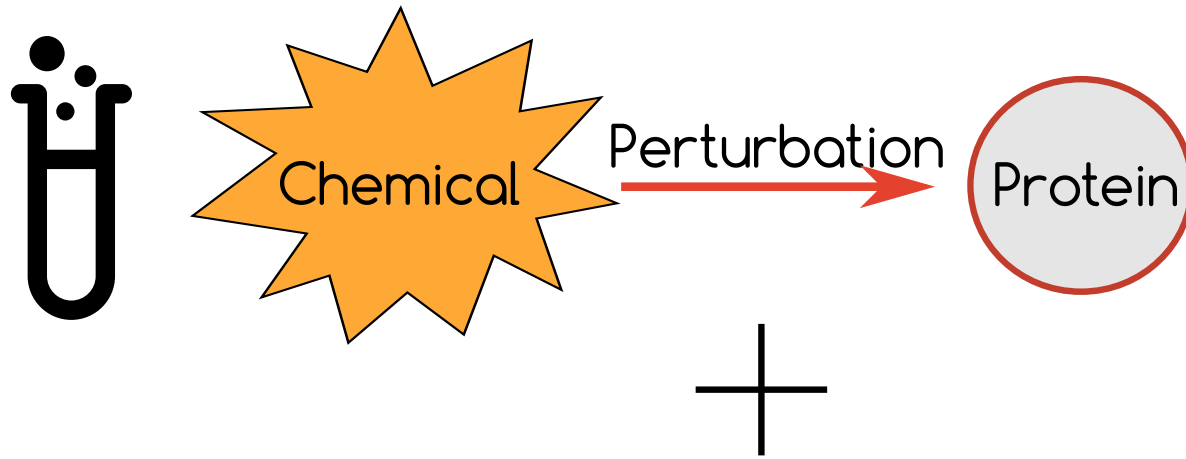


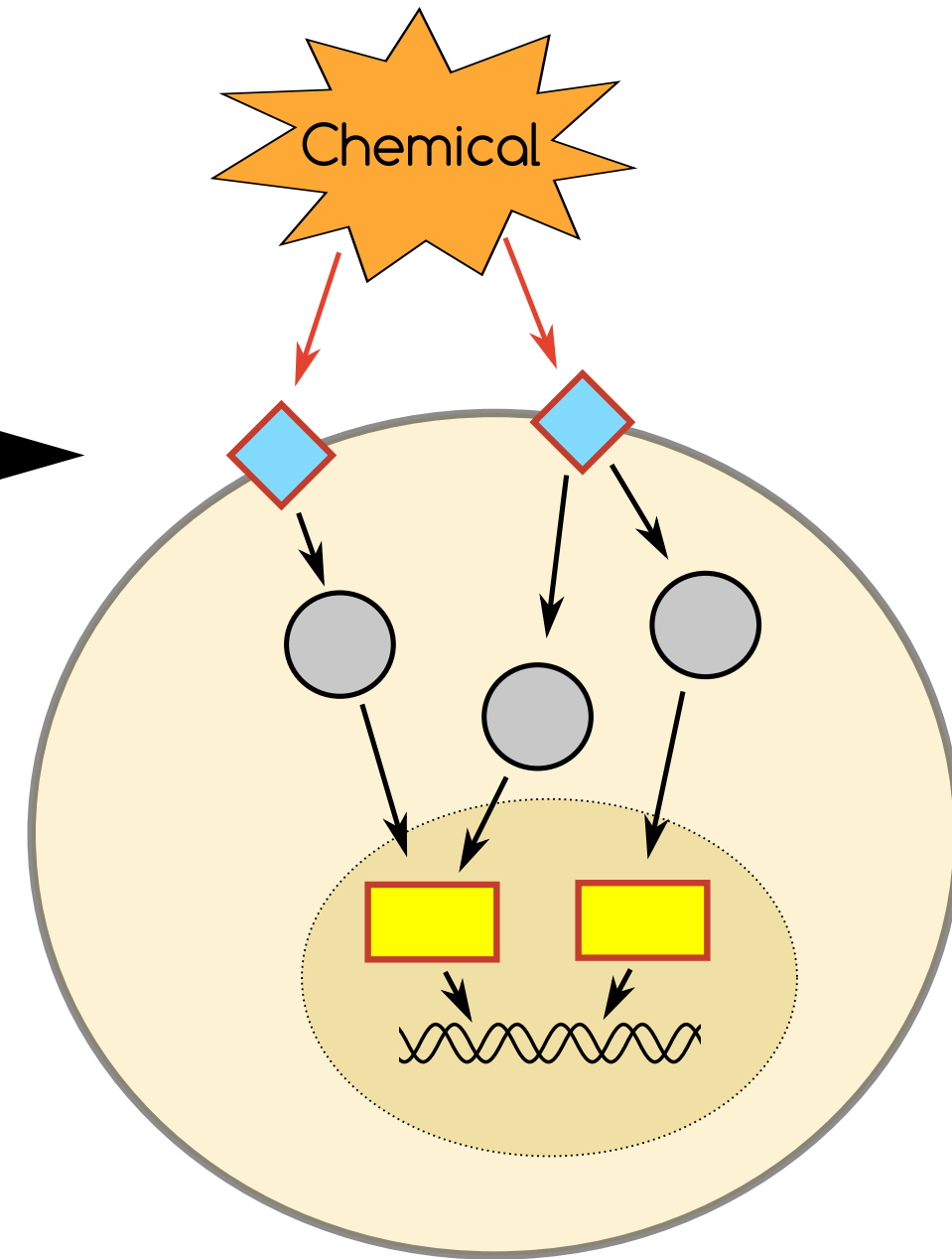
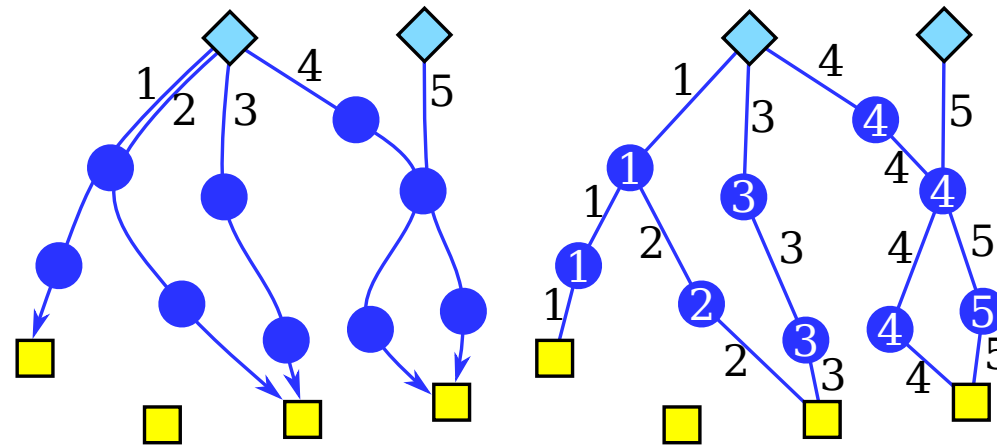
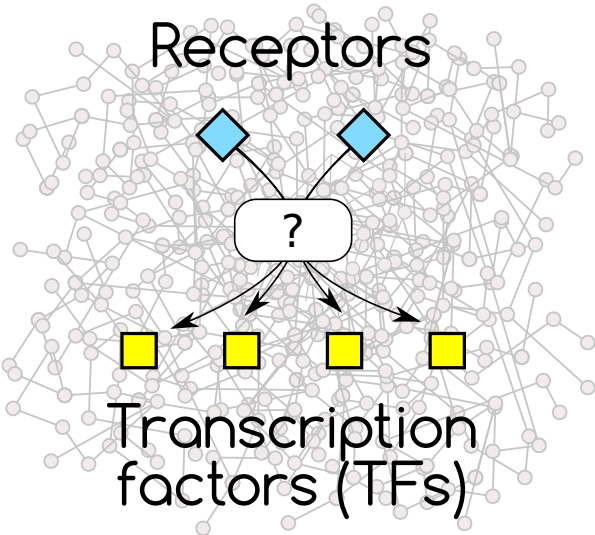
Chemical Response Network Construction

EPA's ToxCast Assays



Inputs to PathLinker

Compute k highest scoring paths and rank nodes/edges



Goal: Compute chemical response networks connecting responsive receptors and TFs in the human protein interaction network to uncover molecular mechanisms by which a chemical may affect the cell.