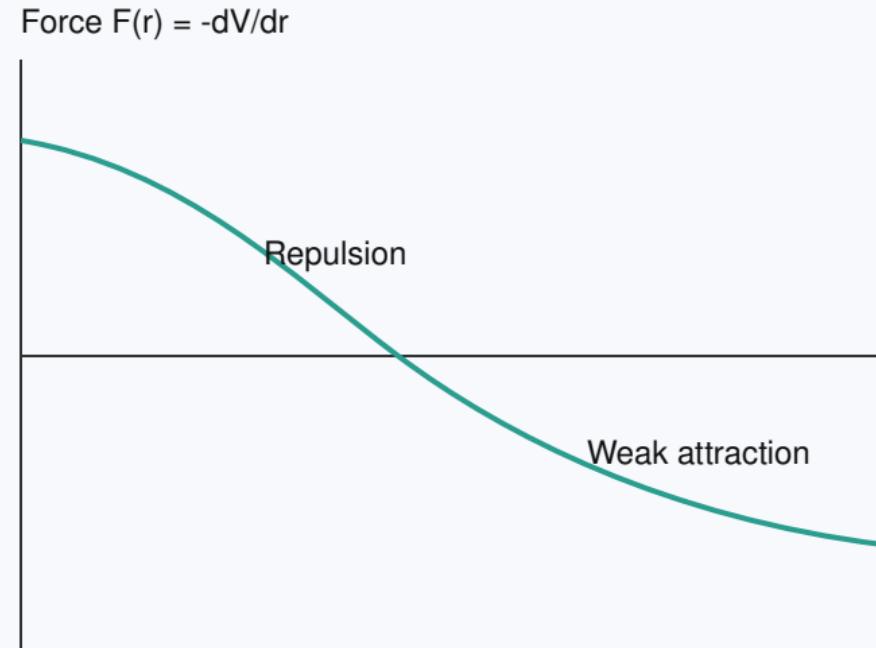
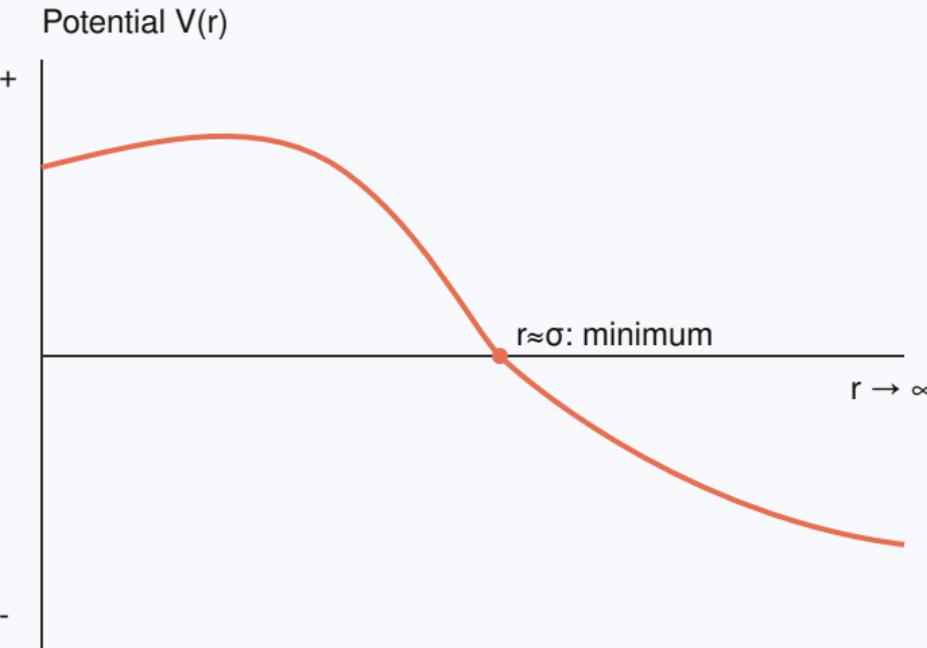


## Modified Lennard-Jones: Potential and Force



$\epsilon_{ij} = \sqrt{\epsilon_i \epsilon_j}(1+\beta_{ij})$  encodes biological similarity;  $\sigma_{ij}=(\sigma_i+\sigma_j)/2$  sets interaction radius. Curves are conceptual.