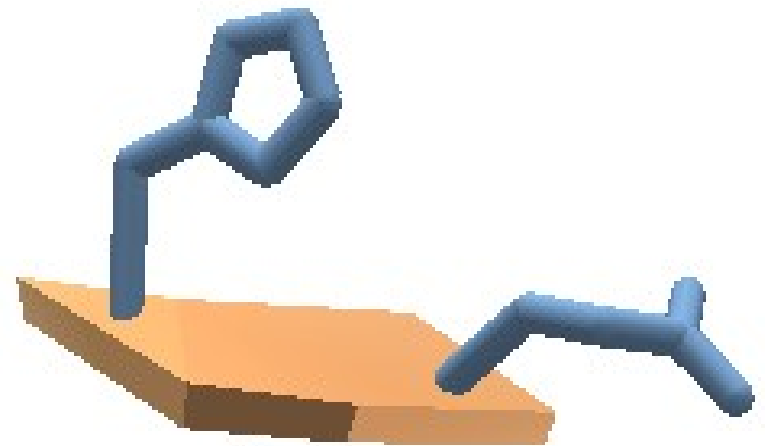
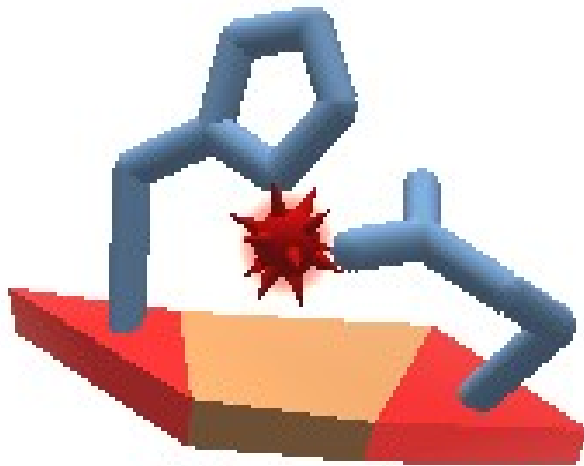


# Protein folding

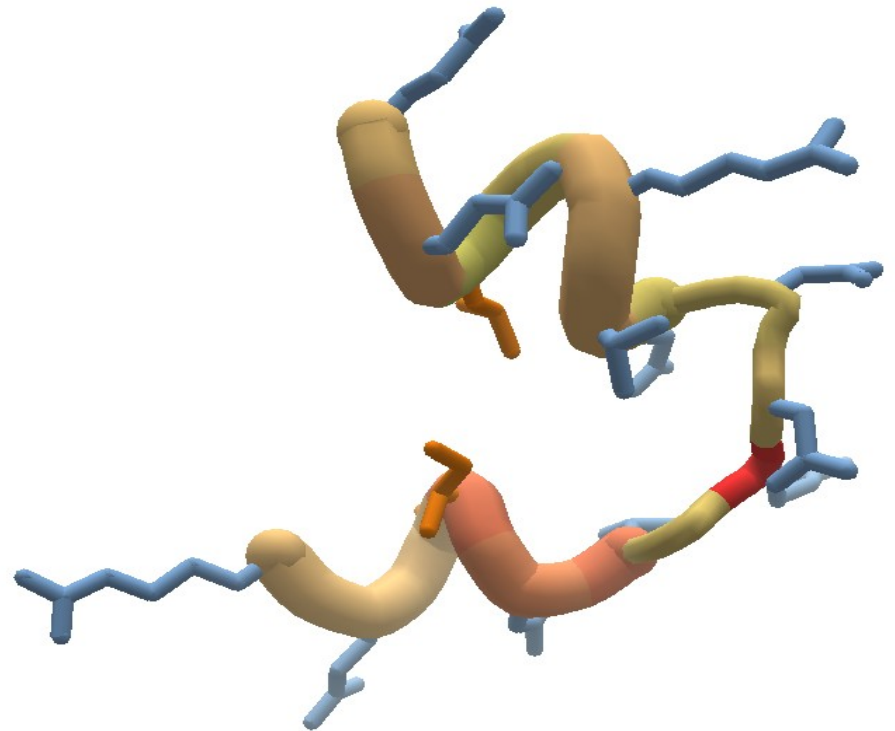
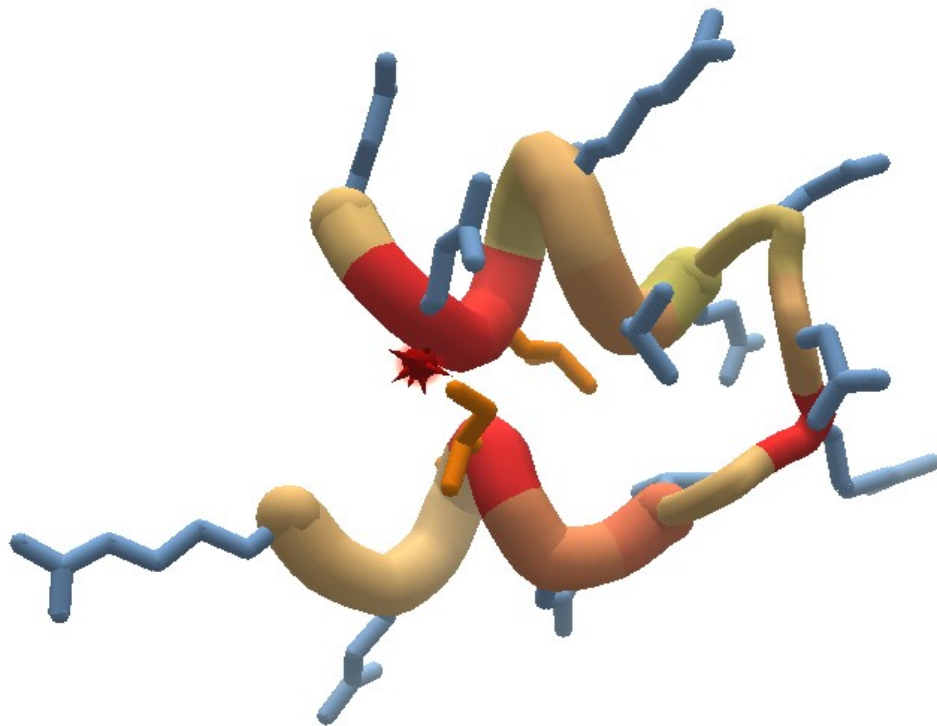
## 1) Clashes:

(charge, hydrophilic/-phobic space needs: water bonds)



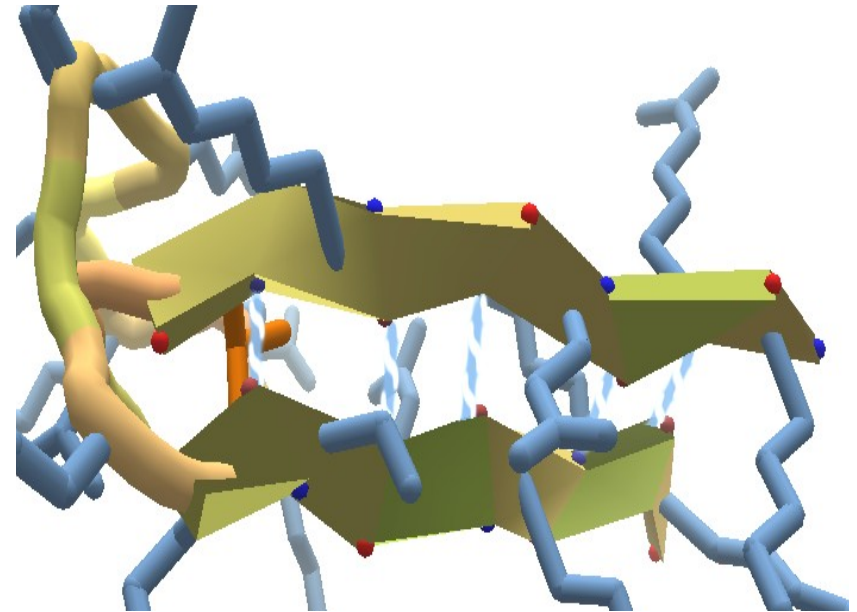
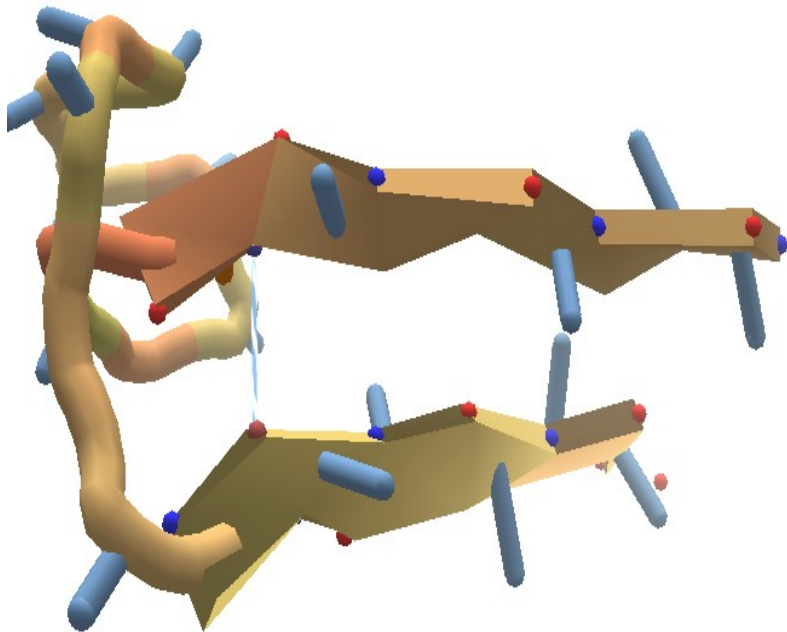
# Protein folding

## 2) Backbone Clashes: (too close / too far)



# Protein folding

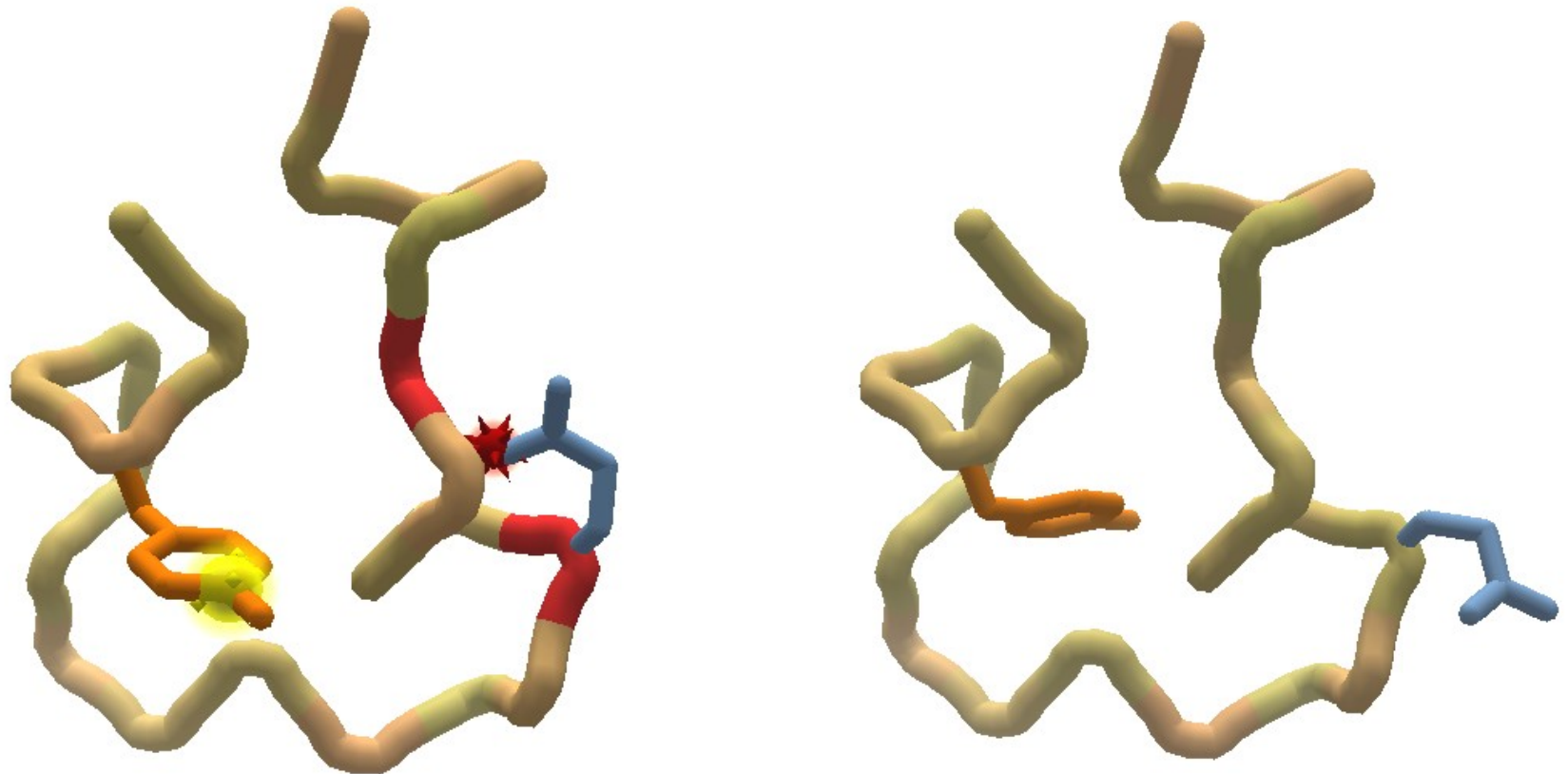
3) Hydrogen bonds:  
(maximize the stability of the structure)



# Protein folding

## 4) Hydrophobic hiding:

(turn hydrophobic elements, here in orange, to inner part of the structure)



# Protein folding

## 5) Structure changes: (Helix, sheet, gaps)

