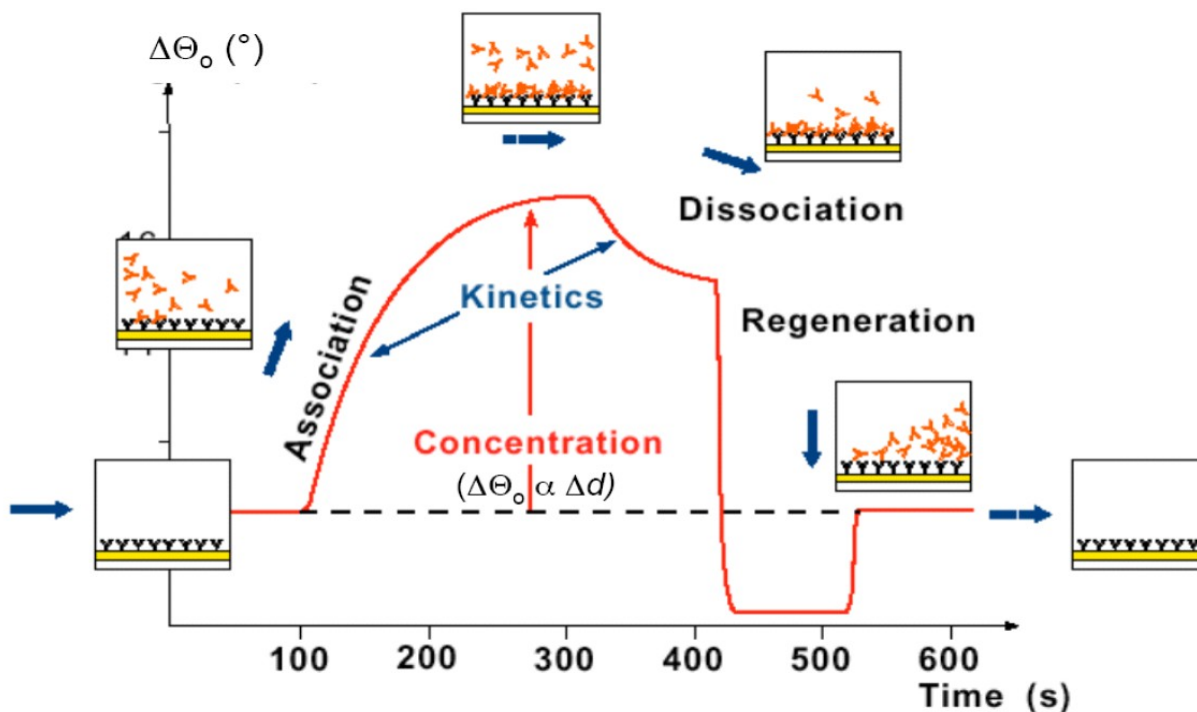


## Protein interaction

**SPR spectroscopy today is the most accepted technology for label-free monitoring molecular interactions in real-time.**

A sensor surface with an immobilised reaction partner is stabilised with buffer solution. Upon injection of a sample solution binding of the molecules is monitored using the kinetic-mode SPR (association step). Flushing back with buffer solution causes a certain percentage of sample molecules to desorb from the surface (dissociation step). Monitoring and modelling these reaction steps gives important information on the binding specificity, concentration, affinity and kinetics of the molecular interaction process.



SPR curve to monitor protein binding