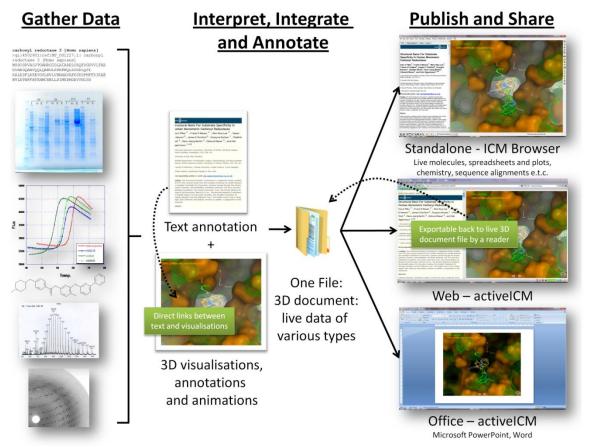
Slides and ActiveICM









In this example we are going to look at the effect of an agonist binding to the Beta-2-Adrenergic GPCR (B2AR). A prepared ICM file containing three B2AR GPCRs superimposed can be downloaded here ftp.molsoft.com/pub/GPCR_slides.icb. The file contains pdb files 2RH1 (R inactive state), 3POG (R* active state, with G-alpha mimic), and 3SN6 (R*G G-protein signalling state). The agonist ligand causes Helix 5 to shift inwards and Helix 6 to swing outwards. This agonist binding poses were predicted using ICM a year before the crystal structures were solved (see Katritch and Abagyan TIPS 2011).

