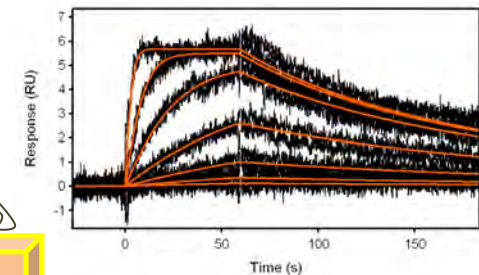
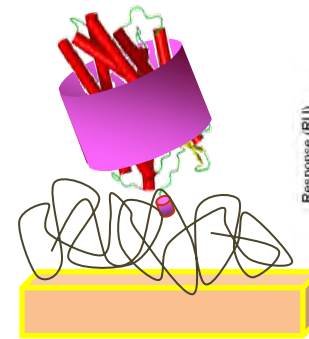


P03 GPCR biophysical fragment screening: discovery of novel $\beta 2$ adrenergic receptor ligands

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- **First** biophysical fragment screen against a **wild-type , non-thermostabilised GPCR** by Surface Plasmon Resonance.
- **High-throughput, cell-free, label-free.**
- **Direct ligand-GPCR interaction measurement.**
- **Model system: $\beta 2$ adrenergic receptor.**
- **Fragments kinetically and functionally characterised.**
- **Discovery of novel, high affinity, selective antagonists** of human $\beta 2$ adrenoceptor.



$K_D = 18 \text{ nM}$
 $LE = 0.48$

