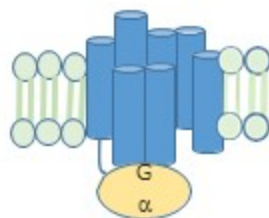


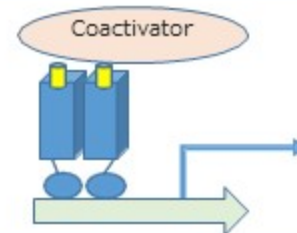
GPCR

- cAMP assay
- Ca²⁺ flux assay
- Reporter gene assay
- Arrestin/Internalization assays
- Binding assay
- Impedance assay



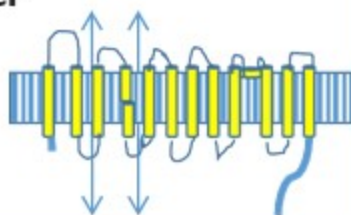
Nuclear receptor

- Binding assay
- Cofactor recruitment assay
- Reporter gene assay
- Nuclear translocation assay



Ion channel / Transporter

- Ion influx assay
- Membrane potential
- Electrophysiology
- Substrate uptake
- Binding



PPI (protein-protein interaction)

- TR-FRET/Alpha screen assay
- ELISA
- NanoBit/BRET
- Two-hybrid assay
- Biophysical assay



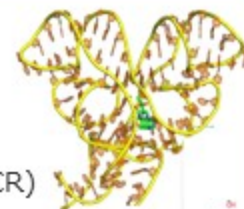
J Med Chem 56 9635-45 (2013)

Enzyme

- Luminescence, Absorbance, Fluorescence, TR-FRET
- Alphascreen, ELISA
- Radiometric assay
- Label-free assay (e.g. Rapidfire-MS)
- Coupling assay
- Global kinase panel

Nucleic acid

- Biophysical assay (e.g. ASMS)
- Fluorescence probe binding
- FRET
- Cell-based assay (Reporter gene, RT-qPCR)



➤ 広範なターゲットクラスやフェノタイプのアッセイ系構築およびHTSを実施可能なプラットフォームを整備