STRUCTURAL BIOLOGY OF MEMBRANE PROTEINS

- Established gene to structure platform
- Efficient high-throughput screening workflow
- Ligand binding assay for QC and characterisation
- Rapid access to facilities at Diamond light source, UK
HIGH-THROUGHPUT SCREENING WORKFLOW

- Fluorescence based SEC screening
- Automated micro-scale affinity purification (Phynexus™)
- Thermofluor based stability assay
- Radio-ligand binding assay on membrane bound and solubilised sample
- LCP-FRAP & In-situ screening through Diamond Light Source, UK

LARGE-SCALE PROTEIN PRODUCTION & CRYSTALLISATION

- Heterologous expression in mammalian, insect, yeast and bacterial systems
- Enriched membrane preparation
- Large-scale purification for crystal grade protein
- Pharmacological and biophysical analysis for characterisation of proteins
- Crystallisation in lipid cubic phase (LCP), bicelles and vapour diffusion

Evotec Protein Production Services

- Highly experienced team and state-of-the-art technology platform for membrane protein production, isotope-labeled protein preparation, high throughput protein purification and structural biology services
- Direct communication with project scientists and full access to raw data
- Reagent production services can be accessed as a standalone function or as integral part of wider collaborative programmes
- Links to key academic groups from Oxford University & Diamond light source, UK