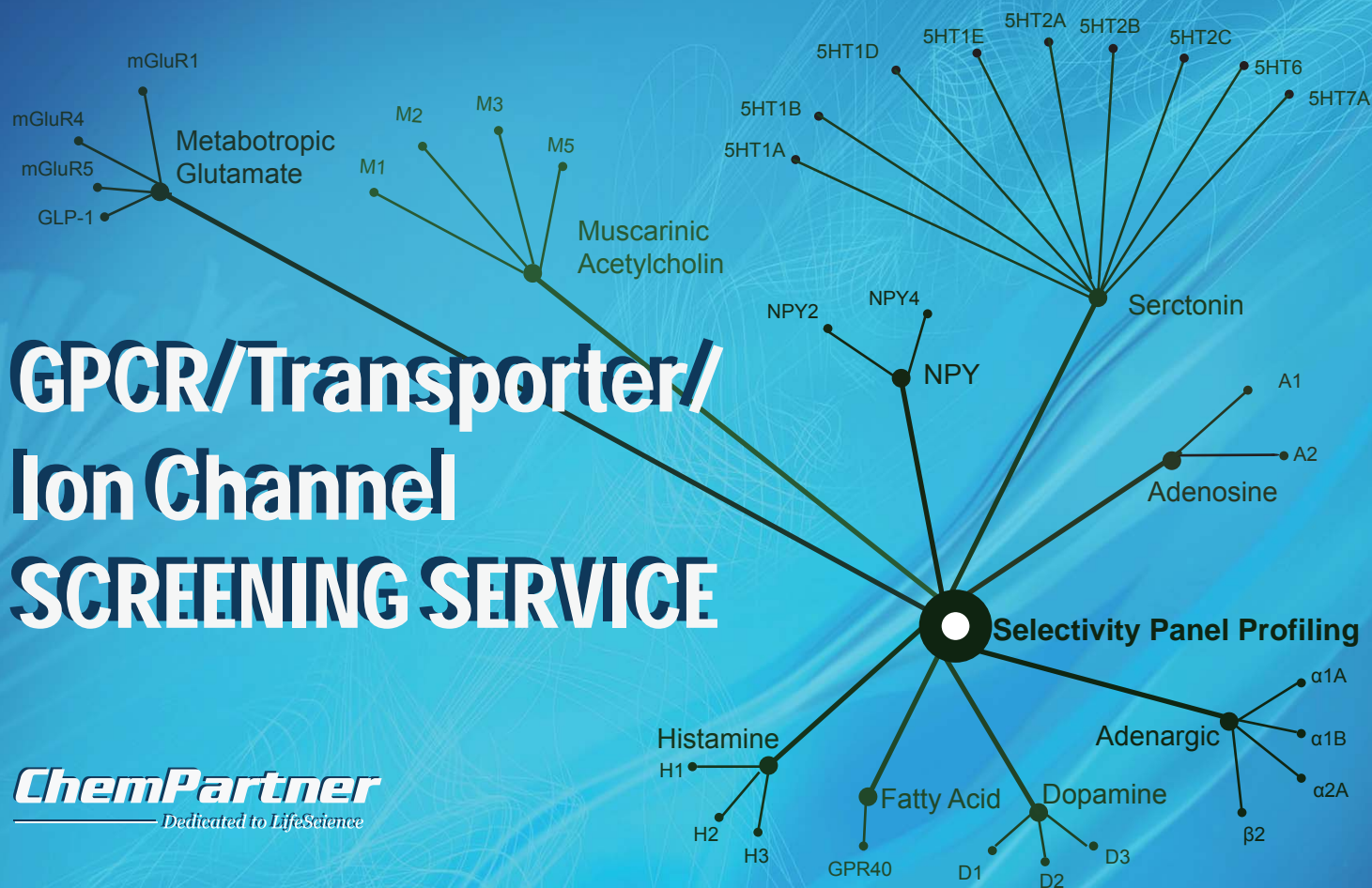


GPCR/Transporter/ Ion Channel SCREENING SERVICE

ChemPartner
Dedicated to LifeScience



Overview

Multiple functional readouts

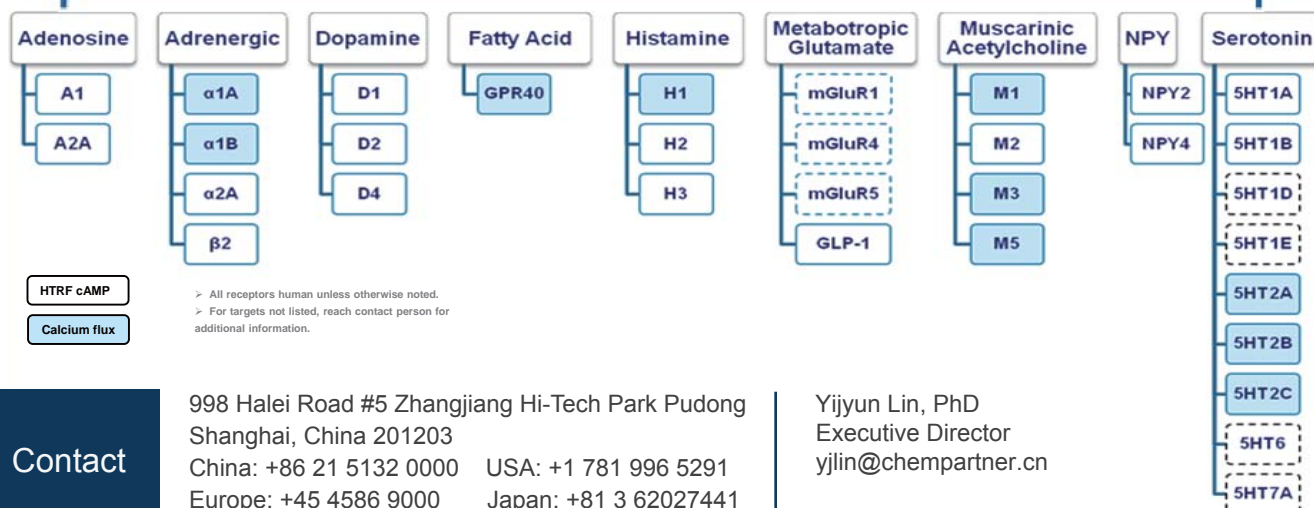
- FLIPR assay (Calcium flux for GPCR, FMP for transporter or ion channel)
- cAMP assay (LANCER, HTRF)
- Receptor binding assay
- Receptor occupancy on brain homogenate
- Reporter gene
- β -arrestin assay
- IP1 HTRF assay
- IP3 AlphaScreen assay

Broad service scope

- High-throughput screening
- Compound profiling of SAR
- Selectivity panel screening
- IC50 dose response
- Enzyme kinetics
- Compound mode of action



Selectivity Panel Profiling



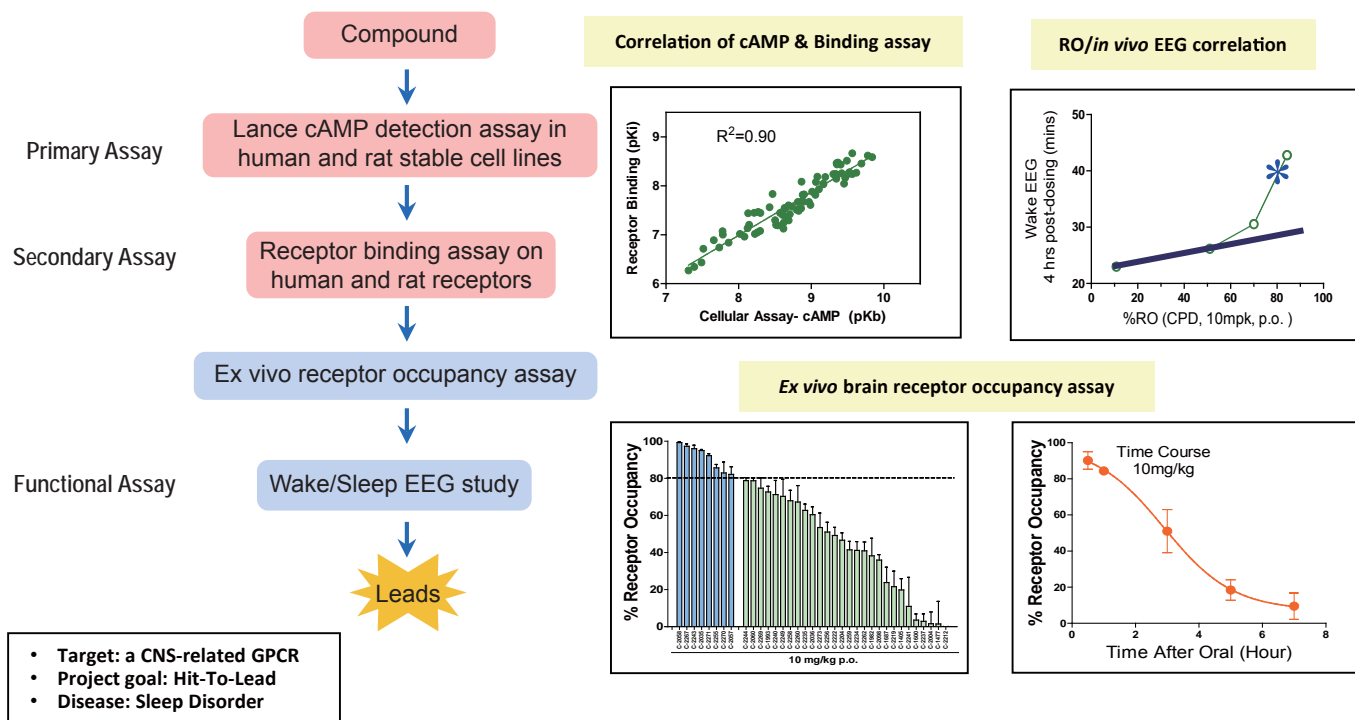
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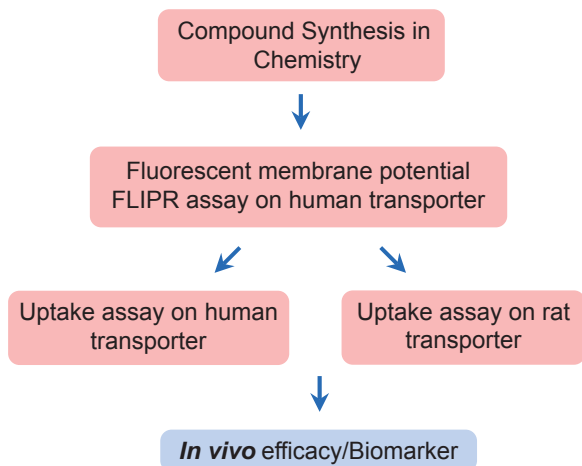
Yijun Lin, PhD
Executive Director
yjlin@chempartner.cn

Drug Discovery in GPCR

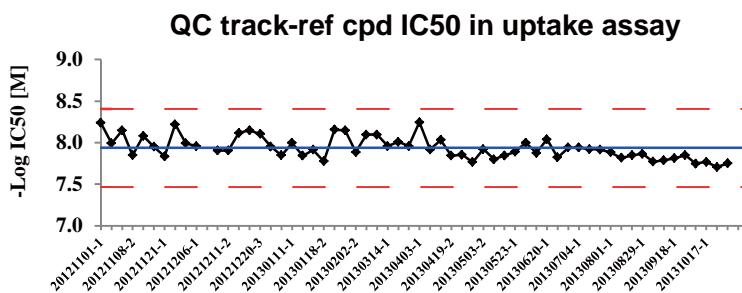
Key Assays Critical for Identifying Efficacious Leads



Drug Discovery in Transporter



- Target: a neurotransmitter transporter
- Project goal: Hit-To-Lead
- Disease: pain



Assay plate-plate No.

- Uptake assay using CytoStar-T scintillating microplates from PE
- No wash or separation step;
 - Real-time analysis

