



# CRO Drug R&D Service



**1,866**

Global biotech and pharmaceutical clients



**98,000+**

Protein structure delivered in total



**2,300+**

Independent drug targets being researched and developed



**1,100+**

Scientists and technicians

## Technology Platforms

### Protein Science

World-class and Largest in Operation  
Proprietary Technology in GPCRs/  
Ion Channels/Transporters

### Structural Biology

X-ray (**98,000+** structures in total)  
Cryo-EM (**200+** structures in total)

### AIDD/CADD

De novo Design, Joint Folding Structure Prediction, Virtual Screening, Molecular Dynamics, Adaptive Enhanced Sampling, PPI Hotspot Dynamics, FEP+, (Cyclic)Peptides & Antibodies, PDC & Linker Co-design/Generation, Multimodal ADME/PK Predictions

### Hit Screening Platform

DEL Screening (V-DEL)  
Fragment Screening (ASMS, SPR, Crystal Soaking)  
Diversity Library Screening (ASMS)  
Cys-Targeted Covalent Screening (Intact-MS)  
GPCR Focused Library Screening (ASMS)  
HTS  
Peptide Library (Phage, mRNA&DEL)

### Biophysical Technology

State-of-the-art Instruments  
Deep Insight into MOA Elucidation  
Full Automation and High Throughput

### Bioassay Platforms

Biochemical and Cell-based Assays with Advanced Technologies  
Disease/Mechanism Related Assay Development

### CMC & CDMO

API R&D Platform  
Drug Product R&D Platform  
Manufacturing Plant

### AI-powered Peptide CRDMO

AI Peptide Design, Lab-in-loop Druggability Profiling  
Peptide Libraries, Peptide Synthesis  
Innovated Hybrid Approaches for Mass Production  
GLP-1 Readiness, Oral Peptide Products

### Medicinal Chemistry

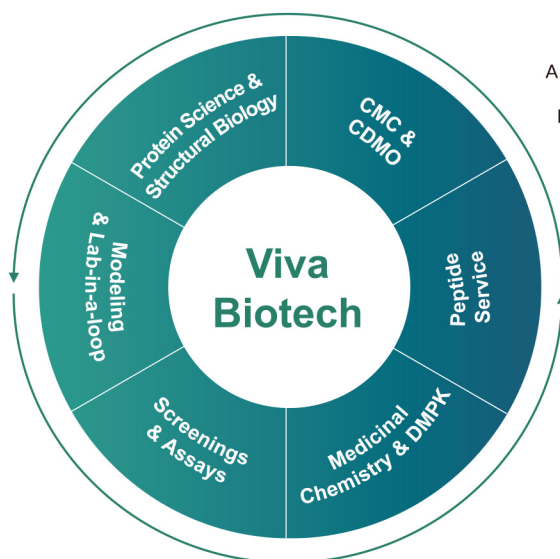
Classic Small Molecules, Asymmetric Synthesis and/or Chiral Separations, PROTAC Platform, ADC Payload and Linkers, Peptide Synthesis, Isotope Modification, (Bio) Catalyst Screening Technology, Photo Reaction and Flow Chemistry, Electrosynthetic Chemistry, etc.

### Pharmacology & DMPK

ADME, PK, Biomarker and Pre-Tox  
Efficacy in Tumor  
Autoimmune Disease & Other Areas,  
Immunoassay

### Therapeutic Antibody R&D

Integrated Platform Covering Antigen Expression, Antibody Discovery and Characterization, High-Throughput Expression, Epitope Mapping, AI-empowered Antibody Optimization (humanization, affinity, developability), ADC/APC/AOC and Peptide Screening





# Our Unique Advantages

- **World-leading Capabilities in Protein Production and Structural Research**  
X-ray, Cryo-EM
- **AI-driven Integrated Drug Discovery and Development Services**  
New Target, Novel MOA, New Modality
- **Comprehensive Drug Screening Capabilities**  
DEL, ASMS, SPR, Crystal Soaking, and Intact-MS, Virtual Screening, etc.
- **Comprehensive, High Quality, Customized Chemistry Service**  
200+ H2L/LO projects in SMOLs, ADCs, PROTACs & MGs, peptides
- **Highly Synergized with Biology Services and End-to-end**  
ADME, PK, Biomarker and Pre-Tox., Efficacy Models in Tumor, Autoimmune Disease & Other Areas

**Small Molecules**

**Antibody/ Biologics**

**Peptides**

**PROTACs/Molecular Glues**

**XDCs**



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