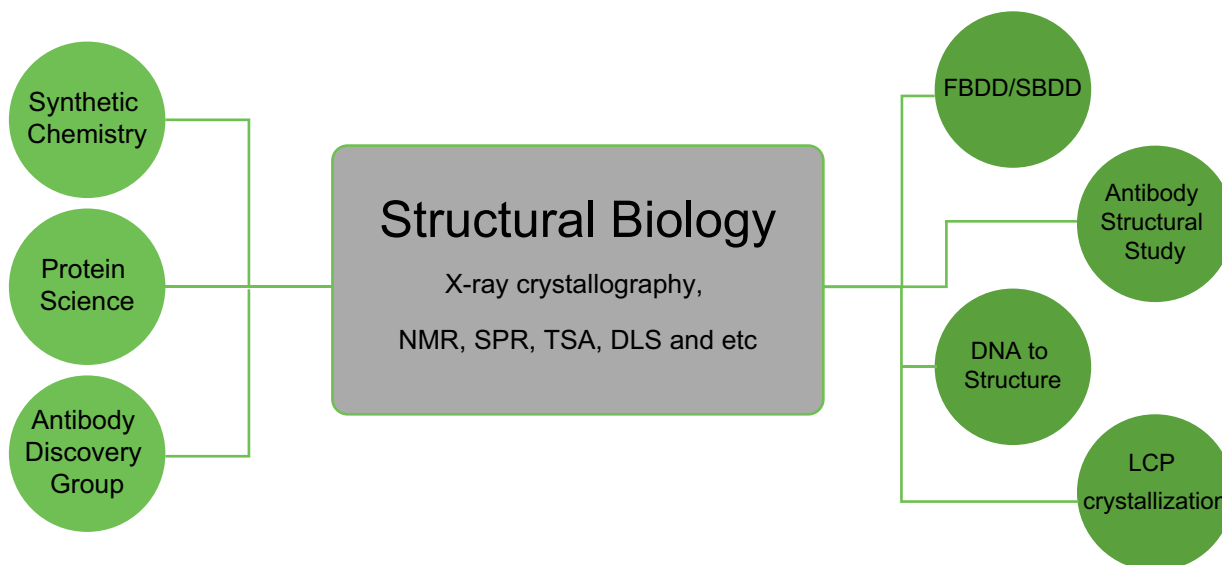
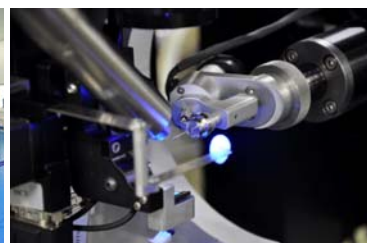
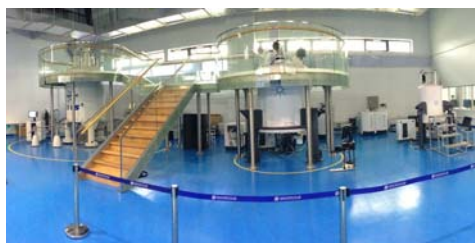


Structural Biology

ChemPartner
Dedicated to LifeScience

As one of the key elements of many services, the Structural Biology group is equipped with state-of-the-art technologies, such as X-ray crystallography, NMR, SPR, TSA, DLS and etc. This elite team is made up mostly by scientists with master degree and led by western-trained PhDs with many years of experiences.



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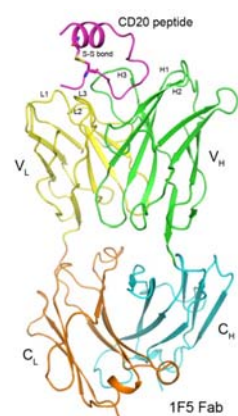
Case study 1: FBDD Project XXX

	Protein 1	Protein 2
Fragments Received	140 (17 batches)	18
Crystals screened	982	78
Datasets collected	221	19
Structures delivered	77	15
Turnaround (best batch/overall)	15 / 30 days	15 / 15 days
Average success rate	55%	83.3%

- Regular and easy access to Shanghai Synchrotron Radiation Facility (SSRF)
- High quality structural data
- Fast and steady turnaround

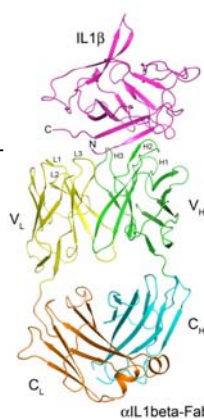
Case study 2: Ab-antigen Complex Structural Study

- In-house developed Ab-specific screening kits
- Model based humanization design
- Antigen modeling and epitope prediction



Diffraction Data Statistics

Space group	P2 ₁ 2 ₁ 2 ₁
Unit cell (Å)	a=86.76, b=164.06, c=296.38
Resolution (Å)	50.00-2.95 (3.00-2.95)
Completeness (%)	94.7 (87.3)
Rmerge (%)	16.3 (41.9)
I/σ<I>	6.0 (1.8)
Redundancy	3.8 (2.4)



Diffraction Data Statistics

Space group	I 4122
Unit cell parameters (Å, °)	a=98.632, b=98.632, c=377.541; α=β=γ=90
Resolution (Å)	50.00-2.75(2.82-2.75)
Completeness (%)	95.7 (80.0)
Rmerge (%)	18.9 (45.7)
I/σ<I>	9.6 (1.85)
Redundancy	7.7 (2.6)

