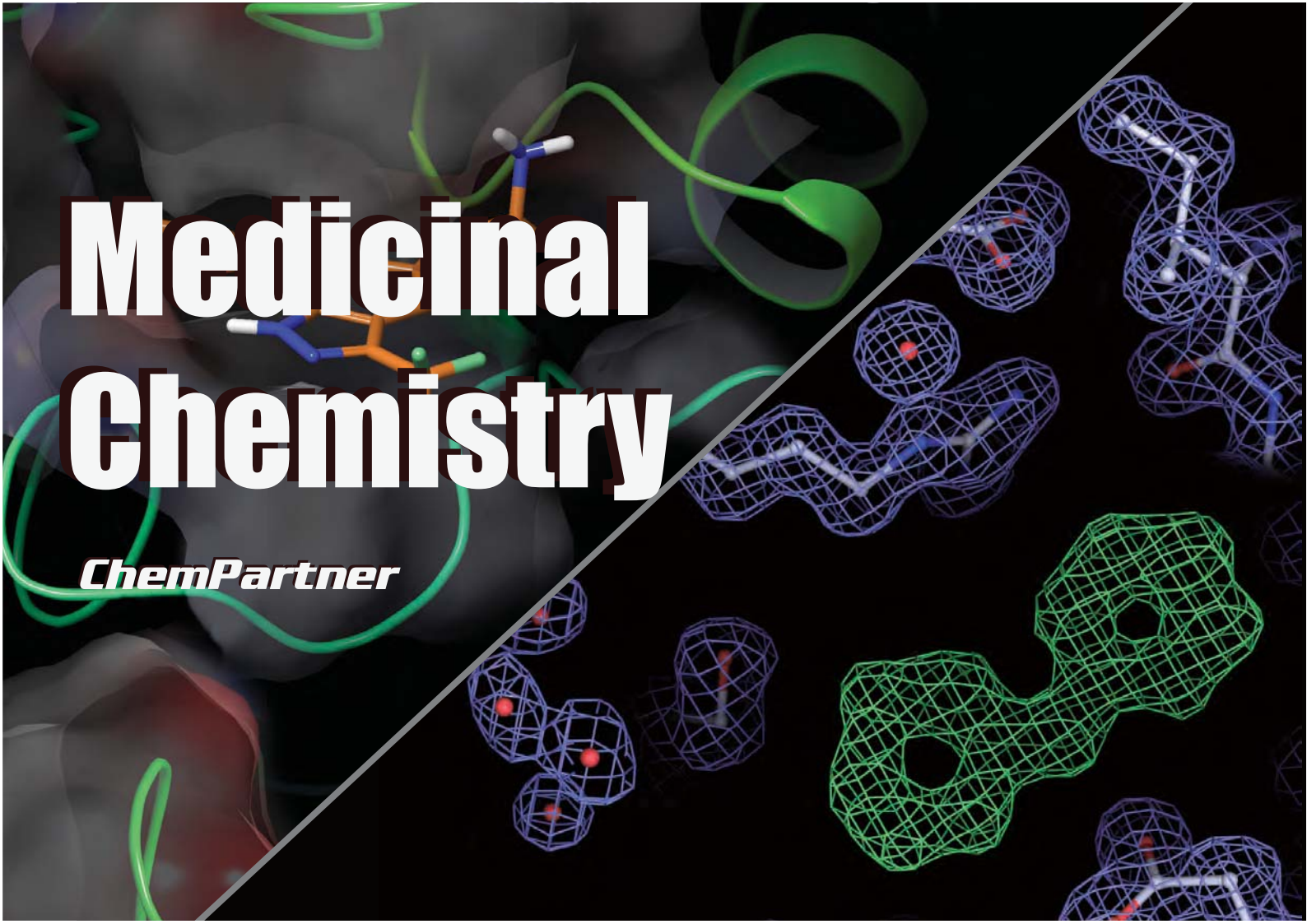

Medicinal Chemistry

ChemPartner

Our highly qualified medicinal chemistry teams can provide medicinal chemistry support based on your individual needs. All of our Medicinal Chemistry Leaders have 10+ years of experience working at Pharma companies

- Medicinal Chemistry Support (including route scouting/optimization)
- Medicinal Chemistry Design (Hit Identification, Lead Identification, Lead Optimization, Pre-Clinical and Clinical Candidates)
- Library Synthesis (Screening and Targeted Libraries)
- Fully Integrated Medicinal Chemistry Design Programs (including DMPK, *in-vitro* and *in-vivo* screening)
- Structure Based Drug Design (SBDD) and Fragment Based Drug Design (FBDD)
- Our design teams can work either in sync with your own internal groups or completely autonomously.
- Intellectual Property (IP) is your most important asset, we have an efficient centralized prevention based approach to guarantee the security of your IP.

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About Our Scientists

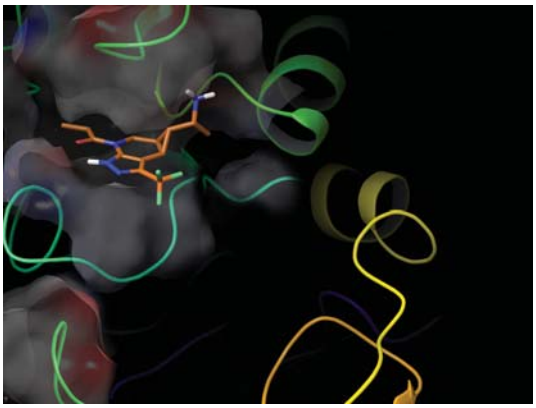
Our design chemists have experience working on projects from all stages of discovery research. We are experienced in hit identification, lead identification, lead optimization all the way through to preclinical candidates. Our design chemists have diverse backgrounds and experience covering the full spectrum of therapeutic areas and targets. Our scientists are highly experienced in utilizing computational chemistry methods.

All of our medicinal chemistry leaders have a track record of designing and delivering preclinical candidate compounds and are now applying that vast knowledge and experience to our client's programs. We have several examples of our chemist designing and inventing compounds for partners projects that have progressed to preclinical and clinical development.

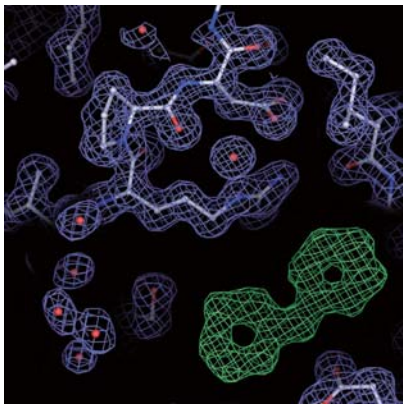
SBDD and FBDD

To support or Medicinal Chemists design efforts we have a group of 4 experts in computational methods, 3 are based in Shanghai and 1 based in the United States. Our Leader has 17 years of Pharma experience and is an expert in Computer Aided Drug Design (CADD)

Structure based Drug Design, novel compound docked in binding pocket



Fragment Based Screening Crystal Structure



Experience

Our design chemists collaborate fully with the other departments at ChemPartner LifeScience and can provide a complete solution from initial discovery all the way through to Process Development. Our Medicinal Chemistry teams are experienced in running programs in a wide range of therapeutic areas and target types.

Targets Types Include:- GPCR, Ion Channels, Nuclear Hormone Receptors, Kinases, Enzymes, and Transporters.

Therapeutic Areas Include:- Inflammation/Pain, CNS, Oncology, Cardiovascular, and Metabolic Diseases.