

Fu Lab

School of Pharmacy

• About the Lab •

Fu lab was established in 2006 by professor Lei Fu, and located on the Minhang campus of Shanghai Jiao Tong University. Fu lab is directed by Professor Lei Fu, a famous scientist in medicinal chemistry and organic chemistry field. The research in his group interfaces between chemistry and medicine, conducting drug discovery and development research on anti-cancer and anti-cardiovascular diseases with new chemical entities and various drug candidates, as well as carrying out research on chemical synthesis and process development/optimization.

Welcome highly-motivated students and scientists to join Fu lab.

• About the Team •

Prof. Lei Fu(PI)

Professor Lei Fu received his Ph.D. degree in Chemistry at Stanford University under the direction of Dr. James P. Collman. He joined Pharmacyclics Inc., California as a scientist, conducting drug discovery and development research on anti-cancer and anti-cardiovascular diseases with new chemical entities and various drug candidates, as well as carrying out research on chemical synthesis and process development/optimization. Dr. Lei Fu has been a Professor of Medicinal Chemistry at Shanghai Jiao Tong University since March 2006.

Main Group Members:

Dr. Faqin Jiang

Dr. Jiang received his Ph.D. degree in Medicinal Chemistry at Zhejiang University. She worked as a post doctorate in the Department of Chemistry at Stanford University and College of Pharmacy at University of Texas at Austin. She joined Shanghai Jiao Tong University in 2008 as associate professor, conducting drug discovery and development research on anti-infective and anti-diabetic diseases. She has over 20 peer-reviewed publications and 5 funded projects from National Natural Science foundation of China and Shanghai Natural Science Foundation.

Dr. Wenlu Liu

Doctor Wenlu Liu received his Ph.D. degree in Medicinal Chemistry from Shanghai Jiao Tong University. He joined School of Pharmacy, Shanghai Jiao Tong University in 2009 as an assistant researcher on new drug discovery (metabolic diseases, antibacterial and anti-cancer).

Dr. Dongsheng Xie

He graduated as an M.D. in organic chemistry from East China Normal University in 2004. Afterwards, he was engaged in design and synthesis of novel drug molecules such as antibiotics and anti-osteoporotic in drug R & D enterprises from 2004 to 2007. In Dec 2007 he joined School of Pharmacy of Shanghai Jiao Tong University and concentrated on the study of antiparasitic agents and D-Amino Acid Oxidase inhibitors. He has abundant practical experience in design and chemical synthesis of drugs.

• Research Fields •

Drug discovery and development research on anti-cancer and anti-diabetes diseases with new chemical entities and various drug candidates.

- Synthesis and antimicrobial evaluation of benzofuran derivatives
- Design and Synthesis of Protein tyrosine phosphatase 1B (PTP1B) inhibitors
- Design, synthesis and evaluation of antidiabetic activity of novel long-acting GLP-1 receptor agonists

• Responsibility •

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- Design and Synthesis of Protein tyrosine phosphatase 1B (PTP1B) inhibitors
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• Eligibility •

- Be in their second or third year of undergraduate study
- Hold at least a 2.5 GPA on a 4.0 scale
- Students of non-English speaking countries must provide English language proficiency certificate, IELTS no less than 6.0, and TOEFL no less than 90 points. If you are in the college for English teaching programs, please provide relevant certificates.
- Have at least one prior research experience

• Additional Financial Support •

N/A

• Contact •

Person in Charge: Prof. Lei FU, leifu@sjtu.edu.cn