

# SHUTING XU

Address: No.800, Dongchuan Road, Minhang District, Shanghai, China

☎ +86 18020118339 ✉ x1090202755@gmail.com 👤 personal homepage 🌐 Shuting Xu

## Education

**Shanghai Jiao Tong University, Shanghai, China**

**2021.9 – present**

*Master of Pharmacy in the branch of Immunopharmacology*

*GPA: 3.44/4*

**Coursework:** Artificial Intelligence Pharmacy(A+), Immunopharmacology(A+), Principles of Pharmaceutical Chemistry(A+), Academic Writing, Norms, and Ethics(A), Biopharmaceuticals and Pharmacokinetics(A-)

**China Pharmaceutical University, Nanjing, China**

**2017.9 – 2023.6**

*Bachelors of Pharmacy*

*GPA: 3.90/4*

**Coursework:** Advanced Mathematics(94), Mathematical Statistics(93), Programming Language(91), Pharmacology(97), Organic Chemistry(96), Medicinal Chemistry(96), Microbiology(91), Instrumental Analysis(90), Human Anatomy and Physiology(89), Introduction to Clinical Medicine(89)

**Thesis:** Flavonoid FV-429 inhibits metastasis in human prostate cancer

## Publication

- **Xu S\***, Wang R. (2023) OdinDTA: Combining Mutual Attention and Pre-training for Drug-target Affinity Prediction. (*The 35th IEEE International Conference on Tools with Artificial Intelligence*, Accept)
- **Xu S**, Yang C, Deng L\*. (2023) Stem cell-like CD8<sup>+</sup> T cells: a new pioneer in cancer immunotherapy. (*Chinese Journal of Cancer Biotherapy*, Accept) (In Chinese)

## Research Projects

**Predicting microRNA-disease associations from exosome-coated microRNA(Leader)** **2023.7 – present**

*Shanghai Jiao Tong University*

- **Description:** The project aims to discover disease-associated miRNA more precisely by combining exosome-miRNA related data through autoencoders and multiveiw learning.

**OdinDTA–A model for predicting drug–target binding affinity(Leader)**

**2023.3 – 2023.7**

*Shanghai Jiao Tong University*

- **Description:** The project aims to enhance the accuracy, interpretability, and generalization capability of drug-target affinity prediction tasks by employing a model that combines mutual attention mechanisms and pre-training tasks.

**Radiation resistance with AR degradation(Member)**

**2022.12 – present**

*Research project led by Prof.Deng in Shanghai Jiao Tong University*

\*Founded by The National Natural Science Foundation of China

- **Description:** The project aims to explore the mechanism through which radiotherapy and Androgen Receptor (AR) degradation synergistically promote the stem-like CD8 positive T cells, as well as to develop innovative drugs.

**Undergraduate Thesis–Flavonoid FV-429 inhibits metastasis in human prostate cancer** **2020.11 – 2021.5**

*Research project led by Prof.Guo in China Pharmaceutical University*

- **Description:** The aim of this study is to investigate the role of the glycolysis mechanism in the inhibition of human prostate cancer cell metastasis by the flavonoid derivative FV-429 derived from wogonin, and provide a theoretical basis for new drug development.

**5-FU resistance mediated by FOS gene and its mechanism(Leader)**

**2019.2 – 2020.12**

*Research project assisted by Prof.Zhao in China Pharmaceutical University*

\*Founded by National College Students' Innovation and Entrepreneurship Training Program

- **Description:** The aim of this study is to investigate the relevance and role of the FOS gene in the process of 5-FU resistance in colorectal cancer, and to explore the downstream regulated proteins influenced by it.

## Scholarships, Grants and Awards

---

### Scholarships

- First Class Scholarship of Shanghai Jiao Tong University **2021.9**
- Scholarship Endowed By ApartGroup **2021.6**
- Second class scholarship of China Pharmaceutical University **2018.9 and 2019.9 and 2020.9**

### Grants

- Founding of National College Students' Innovation and Entrepreneurship Training Program **2020.3**

### Awards

- The Gold Price of The 8th China "Internet +" College Student Innovation and Entrepreneurship Competition, Shanghai Division **2022.9**
- The Silver Price of The 13th Challenge Cup National College Student Business Plan Competition, Shanghai Division **2022.9**
- Honor Certificate of Outstanding Graduates of China Pharmaceutical University **2021.6**
- Honor Certificate of Outstanding Student Cadres of China Pharmaceutical University **2019.9**
- Honor Certificate of Merit Student of China Pharmaceutical University **2018.9**

## Teaching Assistant

---

### Pharmacognosy/Lab **2022.9 – 2022.12**

- Instructor: Prof.LiuFu Deng (School of Pharmacy, SJTU)
- Undergraduate courses

### Immunopharmacology **2022.3 – 2022.6**

- Instructor: Prof.LiuFu Deng (School of Pharmacy, SJTU)
- Postgraduate courses

## Skills and Interests

---

**Languages:** Mandarin Chinese, English (IELTS 6.5)

**Programming:** Python, R, MatLab

**Software:** SPSS, Origin, MOE, Graphpad, Flowjo, Photoshop, EndNote, Zotero, LaTeX

**Techniques of biology:** Cell Culture, Flow Cytometry, Real Time PCR, Western Blot, Animals Administration, Establishment of Animals Model

**Interests:** Piano, Cello, Badminton, Photography, Reading