

EDUCATION

Beijing Institute of Radiation Medicine (Joint training of postgraduates)	Beijing, China
Master of Science in Pharmacology Research with Prof Yue Gao/Assoc Prof Yueguang Wang	02/2023 – 06/2025
Guangdong Pharmaceutical University	Guangzhou, China
Master of Science in Pharmacology Research with Prof Yue Gao	09/2022 – 01/2023
University of South China	Hengyang, China
Bachelor of Science in Pharmacy GPA:2.7/4.0	09/2018 – 06/2022
<ul style="list-style-type: none">• Second Prize (Top 30%) in the Preliminary Round of the 2020 "Puyi Award" National College Student English Writing Competition (Undergraduate Group)• Third Prize (Top 30%, First in College Year Non-Major Group) in the 2020 "FLTRP" University of South China English Speaking Competition School-Level Selection• Outstanding Award (Top 4%) in the Final Stage of the 2019 "Puyi Award" National College Student English Writing Competition (Undergraduate Group)• Second Prize (Top 20%) in the 2019 "FLTRP" University of South China English Speaking Competition Team Event• Outstanding Youth Volunteer (Top 20%) at University of South China for the 2018-2019 academic year	

PUBLICATIONS

1. Zhuo Shi, Jin-Chao Pan, **Cheng Zhang**, Jia-Lu Cui, Xiang-Jun Wu, Fang-Yang Li, Mao-Xing Li, Cheng-Rong Xiao, Zeng-Chun Ma, Yu-Guang Wang*, Yue Gao* “The correlation between chemical ingredients and acute toxicity of Psoraleae Fructus and two classic prescriptions”, 13 May 2024, *Acupuncture and Herbal Medicine* DOI:10.1097/HM9.0000000000000112
2. LI Fangyang, DANG Wanyun, **ZHANG Cheng**, WU Zhenhui, RU Yi, GAO Rong, WU Xiangjun, WANG Yihao, LI Maoxing, WANG Yuguang*, GAO Yue* “Improvement of Blood Gas and Myocardial Injury in Rats with Simulated Acute Mountain Sickness by Modified Shengmai Formula and Exploration of Its Mechanism”, 29 April 2024, *Pharmacology and Clinics of Chinese Materia Medica* DOI:10.13412/j.cnki.zyyj.20240428.002
3. Wanyun Dang, Fangyang Li, Rong Gao, **Cheng Zhang**, Hongbo Cheng, Zhenhui Wu, Tingyu Yang, Jinchao Pan, Xianglin Tang, Yue Gao* “Protective Effects of Dioscin and Diosgenin on Plateau Hyperuricemia by Attenuating Renal Inflammation via EPHX2” Dec.2024 *International Journal of Molecular Sciences* DOI:10.3390/ijms252413399
4. **Cheng Zhang**, Yina Li, Zhou Shi, Chunqi Yang, Ao Kong , Xianglin Tang, Chengrong Xiao, Yuguang Wang*, Yue Gao*, Study on the Trend of Reduced Toxicity through Compatibility of Evodiae Fructus Based on Rapid Detection of *Vibrio fischeri*, and the Mechanism of Structural Similarity of Components and Virtual Screening Dec.2024 *China Journal of Traditional Chinese Medicine and Pharmacy*(Accepted)
5. **Cheng Zhang**, Yina Li, Fangyang Li, Wanyun Dang, Zhou Shi, Chunqi Yang, Chengrong Xiao, Xianglin Tang, Yuguang Wang*, Yue Gao*, The new toxic evaluation methodology of *Drosophila* and *Vibrio fischeri* to quickly and accurately uncover the trends of the detoxification in combination of Psoraleae Fructus (Under review)
6. **Cheng Zhang**, Yina Li, Fangyang Yuguang Wang*, Yue Gao* A multidimensional data analysis method: Evaluating the potential effects of Evodiae Fructus in the treatment of hypertension (With Editor)

INVENTION PATENTS

1. Title: **An Experiment Fixed and Inhalation Device for the *Drosophila* Proboscis extension reaction and Its Experimental Method**, Publication Number: CN118020720A, Publication Date: May 14, 2024, Application Number: 202410034421X
Inventors: Yuguang Wang, Yue Gao, **Cheng Zhang**, Xianxie, Zhang, Feiran Hao, Zhixin Ni, Maoxing Li, Chengrong Xiao
2. Title: **A Model for Evaluating the Microtoxic Effects of Evodiae Fructus Extract Based on *Drosophila* Behavior and Its Construction Method and Application**, Publication Number: CN117929639A, Publication Date: April 26, 2024, Application Number: 2024100344224
Inventors: Yue Gao, Yuguang Wang, **Cheng Zhang**, Zhuo Shi, Chunqi Yang, Zengchun Ma, Xianglin Tang, Yihao Wang, Dezhi Sun
3. Title: **A *Drosophila* Recyclable Quantitative Administration Device for Traditional Chinese Medicine Extracts and Its Experimental Method**, Publication Number: CN118525813A, Publication Date: August 23, 2024, Application Number: 202410553293X
Inventors: Yue Gao, Yuguang Wang, **Cheng Zhang**, Yina Li, Zhuo Shi, Fangyang Li, Wanyun Dang

4. Title: **A Model for Evaluating the Toxicity of Traditional Chinese Medicine Compatibility Based on *Vibrio fischeri* and Its Construction Method and Application**, Application Number: 2024111206798, Application Date: August 15, 2024
Inventors: Yue Gao, Yuguang Wang, **Cheng Zhang**, Ying Huang, Yihao Wang, Xian Liu, Zhexin Ni
5. Title: **A Model for Evaluating the Trend of Toxicity Changes in Traditional Chinese Medicine Compatibility Based on *Drosophila* and Its Construction Method and Application**, Application Number: 2024111206849, Application Date: August 15, 2024
Inventors: Yue Gao, Yuguang Wang, **Cheng Zhang**, Yina Li, Fangyang Li, Xin Shen, Chengrong Xiao
6. Title: **A Method for Analyzing the Antihypertensive Targets of Evodiae Fructus Based on Network Pharmacology**, Application Number: 2024111238553, Application Date: August 16, 2024
Inventors: Yue Gao, Yuguang Wang, **Cheng Zhang**, Wenrun Yu, Chunqi Yang, Ao Kong, Zebin Liao,
7. Title: **A Method for Screening Toxic Components of Traditional Chinese Medicine Using a MACCS Structural Similarity Model Based on *Vibrio fischeri***, Application Number: 2024111282185, Application Date: August 16, 2024
Inventors: Yuguang Wang, Yue Gao, **Cheng Zhang**, Xiangjun Wu, Jialu Cui, Dezhi Sun
8. Title: **MACCS Structural Fingerprint Similarity Analysis System**(Computer Software Copyright), Registration Number: 2024SR0987985
Copyright Owners: Yue Gao, **Cheng Zhang**, Yuguang Wang

SELECTED AWARDS AND HONORS

- 2024 (the "7") Conference on Toxicity Testing Alternatives and Translational Toxicology -Selected for the Conference Proceedings - **The method for evaluating micro-toxicity of Evodiae Fructus extract based on the behaviors of *Drosophila***
- Selected Work for the First Pharmacy Popular Science Forum at the 2024 Academic Conference of the Teaching and Popular Science Committee of the Chinese Pharmacological Society - **The Fruit Fly Team Explains How "Our Nose" Can Do Great Things**
- Outstanding Achievement Award for Academic Poster at the First Graduate Academic Activities Festival of Guangdong Pharmaceutical University - **Targets of Evodiae Fructus treatment of hypertension based on the network pharmacology and Molecular Docking analysis** 2023
- Innovation Pioneer of Guangdong Pharmaceutical University 2023-2024
- Academic Star of Guangdong Pharmaceutical University 2023
- First-Class Academic Scholarship of Guangdong Pharmaceutical University 2023
- Outstanding Award of the 6th China 5-Minute Research Presentation (English) Competition 2023

RESEARCH EXPERIENCES

Neuroimmune Laboratory Guangdong Pharmaceutical University, China
Intern Dec. 2022 – Jan. 2023

1. Involved in molecular biology experiments in the laboratory, etc
2. Animal Husbandry and Gene Knockout Knowledge

Pharmacology and Toxicology Institute University of South China, China
Intern Jan. 2022 – Jun. 2022

1. Network Pharmacology Study and Lab Techniques
2. Completed the graduation project and ranked first in the defense group

Chinese Institutes for Medical Research Beijing, China
Summer School for Medical Research, Camper 6 Aug. 2022 – 13 Aug. 2023

1. Included 48 academic hours, which covered lectures, seminars, hospital visits, presentations and lab tours
2. Awarded Best Team

ADDITIONAL INFORMATION

Additional Professional and Extracurricular Experiences

- Network Pharmacology and Computer-Aided Drug Design, Proficient in Python and R
- Neurobiology, Molecular Biology, Self-studying

Interests

- Excursion, Brazilian jiu-jitsu, Muay Thai, Cooking