

Prof. Guo Yu

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Education

2016–2017: Visiting Scholar, University of Florida, USA Supervisor: Prof. Hartmut Derendorf (President, American College of Clinical Pharmacology; President, International Society of Anti-infective Pharmacology)

2007–2010: Ph.D., Key Laboratory of Drug Metabolism and Pharmacokinetics, China Pharmaceutical University, Supervisor: Academician Guangji Wang

Professional Appointments

2022–Present: Professor, School of Basic Medical Sciences and Clinical Pharmacy, China Pharmaceutical University.

2017–2022: Professor, Drug Clinical Trial Research Center, SuBei People's Hospital, Jiangsu Province.

2013–2017: Associate Professor, Medical Experimental Research Center, SuBei People's Hospital, Jiangsu Province.

2010–2013: Lecturer, Center for Drug Safety Evaluation, Nanjing University of Chinese Medicine.

Activities in the Research System

2020–2023: Jiangsu Province Distinguished Young Scholar Project: Physiologically Based Pharmacokinetic Strategies for Personalized Drug Therapy

2016–2020: Young and Middle-Aged Scientific and Technological Leaders Selected Member, Jiangsu Province “333 High-Level Talent Training Program”

2015–2018: Awardee, Jiangsu Province “Six Talent Peaks” Program, Project: Development of a Physiologically Based Pharmacokinetic Model for the Chinese Population Based on Pharmacogenomics to Predict Ethnic Differences in Drug Pharmacokinetics

Memberships

Clinical Pharmacology Committee of the Chinese Pharmacological Society

Analytical Pharmacology Committee of the Chinese Pharmacological Society

Jiangsu Pharmacological Society

Jiangsu Society of Intelligent Medical Engineering

Research interests

Our team focus on the cross-disciplinary integration of artificial intelligence with drug discovery, translational research, and clinical evaluation for next-generation therapeutics.

Scientific publications (ORCID-ID: 0000-0001-6685-2167)

Lu-Yao Han; Xiang Chen; Tian-Shuo Liu; Zhi-Long Zhang; Feng Chen; De-Chuan Zhan; Yang Yu; Guo Yu; Applying exposure-response analysis to enhance Mycophenolate Mofetil dosing precision in pediatric patients with immune-mediated renal diseases by machine learning models, *European Journal of Pharmaceutical Sciences*, 2025, 211: 107146.

Hanqiao Shao; Mingye Zhao; Ai-Jia Guan; Taihang Shao; Dachuang Zhou; Guo Yu; Wenxi Tang; A network meta-analysis of efficacy and safety for first-line and second/further-line therapies in postmenopausal women with hormone receptor-positive, HER2-negative, advanced breast cancer, *BMC Medicine*, 2024, 22(13).

Guo Yu; Na Zhang; Ai-Jia Guan; Yu-Wei Qiao; Guo-Fu Li; Validity of Meta-Analytical Estimates and Hazard Ratios Quantifying Survival Benefit of Immunochemotherapy in Low PD-L1–Expressing Esophageal Squamous Cell Carcinoma, *Journal of Clinical Oncology*, 2023, 41(15): 2862-2864.

Guo-Fu Li; Yu-Wei Qiao; Guo Yu; Helicobacter pylori Therapy and Risk of Gastric Cancer After Endoscopic Resection of Dysplasia: A Sensitivity Analysis Assessing Impact of Unmeasured Confounding, *Gastroenterology*, 2024, 167(2): 417-418.

Guo-Fu Li; Xiao-Xiao An; Yi-Chao Yu; Li-Rong Jiao; Daniele Canarutto; Guo Yu; Guang-Ji Wang; Dan-Na Wu; Yin Xiao; Do proton pump inhibitors influence SARS-CoV-2 related outcomes? A meta-analysis, *Gut*, 2021, 70(9): 1806-1808.

Patents

Guo Yu; Yang Yu; Luyao Han; Zhilong Zhang; Tianshuo Liu; Dechuan Zhan; Mingfeng Li; A Method, Device, Apparatus, and Medium for Model Construction, 2023

Guo Yu; Yang Yu; Luyao Han; Tianshuo Liu; Zhilong Zhang; Dechuan Zhan; Qiang Zhang; A Method, Device, Electronic Equipment, and Storage Medium for Data Processing, 2023

Academic distinctions

2024: VirtualBody: A Large AI Model of Pharmacokinetics for Personalized Medication, Silver Award, 49th International Exhibition of Inventions of Geneva.

2022: Second Prize, Jiangsu Oncology Medical Science and Technology Award

2022: Jiangsu Medical New Technology Introduction Award

Supervision of Student Honors

2025: Grand Prize, 19th “Challenge Cup” National Undergraduate Extracurricular Academic Science and Technology Competition

2025: Grand Prize, 17th National Undergraduate “Yaoyuan Forum” in Pharmaceutical Sciences