

Fang Zheng


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Education

South China University of Technology

2019 – 2022

Master of Science in Pharmacy

- Supervised by [Kun Wei](#) 
- Thesis: Tumor Microenvironment-based mPEG-PLGA Nanoparticles for Enhancing the Sensitivity of Breast Cancer to Chemotherapy.
- GPA: 86/100

Qingdao University

2015 – 2019

Bachelor of Science in Pharmacy

- Thesis: Study on the Mechanism of Echinocide: A inducing Apoptosis and Cell Cycle Arrest in Colon Cancer Cells.
- GPA: 74.39/100

Working Experience

Researcher

Xiamen, China

Xiamen YanPalace Seelong Biotechnology Co., Ltd.

Jan 2024 – Present

- Responsible for discovering the characteristic of the edible bird nest and the edible bird nest peptides (EBNPs). Develop the process for the preparation of EBNP nanoliposomes.

Technical Support Specialist

Xiamen, China

Xiamen Mogengel Biological Co., Ltd.

Aug 2023 – Jan 2024

- Responsible for providing assistance to customers and internal teams for organoid culture, including answering customer inquiries, and re-visioning internal technical manual.

Research Assistant

Guangzhou, China

Guangzhou Zhiyuan Biotechnology Co., Ltd.

Jun 2021 – Sep 2021

- Get involved in the research and writings of patents spanning tumor microenvironment-targeted nanoparticles, advanced composite materials, UV shielding technologies, and acoustic-responsive drug delivery systems.

Publications

Flower-Like MnO₂ Nanoparticle-Based Dual GSH-Depleting Nanosystems for Chemo-/Chemodynamic/Sonodynamic Cancer Therapy.

Yujia Luo, **Fang Zheng**, Yuanyuan Gao, Wenyu Chen, Xinrui Xue, Chujie Xiao, Kun Wei
ACS Applied Nano Materials, Volume7, 2024.

Nano-Baicalein Facilitates Chemotherapy in Breast Cancer by Targeting Tumour Microenvironment.

Fang Zheng, Yujia Luo, Yuanqi Liu, Yuanyuan Gao, Wenyu Chen, Kun Wei
International Journal of Pharmaceutics, Volume 635, 2023

Erianin-Loaded Photo-Responsive Dendrimer Mesoporous Silica Nanoparticles: Exploration of a Psoriasis Treatment Method.

Huanan Yu, Yuanqi Liu, **Fang Zheng**, Wenyu Chen, Kun Wei
Molecules, Volume 27, 2022

Xanthatin Alleviates LPS-Induced Inflammatory Response in RAW264.7 Macrophages by Inhibiting NF- κ B, MAPK and STATs Activation.

Yuanqi Liu, Wenyu Chen, **Fang Zheng**, Huanan Yu, Kun Wei
Molecules, Volume 27, 2022

Chinese Patents

一种基于肿瘤微环境的负载黄芩素的mPEG-PLGA纳米粒及其制备方法与应用.

(A Tumor Microenvironment-Based mPEG-PLGA Nanoparticle Loaded with Huanggenzine and Its Preparation Method and Application.)

Kun Wei, *Fang Zheng*, Yujia Luo, Yuanqi Liu

CN115998691A, 2023.

一种声响应型载药棒状介孔硅及其制备方法与应用.

(A Sonoresponsive Drug-Loaded Rod-Shaped Mesoporous Silica and Its Preparation Method and Application.)

Kun Wei, Yang Yan, *Fang Zheng*, Yuanqi Liu

CN202111661894.5, 2022

载透明质酸与白藜芦醇介孔硅及其制备方法与应用.

(A Mesoporous Silica Loaded with Hyaluronic Acid and Resveratrol and Its Preparation Method and Application.)

Kun Wei, *Fang Zheng*, Yuanqi Liu

CN202111668972.4, 2022

一种茶多酚交联嵌入纳米氧化铈的蛋白/多糖复合膜材料及其制备方法.

(A Tea Polyphenol Crosslinked Protein/Polysaccharide Composite Membrane Material Embedded with Nano-Ceria and Its Preparation Method.)

Kun Wei, Yuanqi Liu, *Fang Zheng*

CN202111474522.1, 2022

一种茶多酚交联嵌入纳米氧化铈的蛋白/多糖复合膜材料及其制备方法.

(A "Sunscreen Compressed Tablet" Capable of Rapid Application and Loaded with UV Shielding Agents, and Its Preparation and Usage Methods.)

Kun Wei, Yuanqi Liu, Wenyu Chen, *Fang Zheng*

CN202111679859.6, 2022

Awards

Postgraduate First Class Scholarship

2020

South China University of Technology

Learning Progress Award

2018

Qingdao University