

Yanzhi Guo

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EDUCATION

East China Normal University	<i>China</i>
<i>M.A. in Pharmacology (3 years)</i>	<i>Sept.2021 - Jun.2024(Expected)</i>
● 3.53/4.0 (Rank: 1/18)	
 Guilin Medical University	<i>China</i>
<i>B.A. in Clinical Pharmacy (5 years)</i>	<i>Sept.2016 - Jun.2021</i>
● 80.3/100 (Rank: 12/88)	

PUBLICATIONS

Journal:	<i>Anticancer Drugs (IF:2.39)</i>
A new inhibitor of human peptide deformylase suppresses cell proliferation and induces cell apoptosis and autophagy in cancers (First Author)	<i>Apr.1 2023 (Published)</i>

EXCHANGE EXPERIENCES

Clinical Rotations in the Affiliated Hospital of Guilin Medical University	<i>Apr.2020-Jun.2021</i>
Cardiology, Cardiothoracic Surgery, Medical Oncology, and Pulmonology, etc..	
Hong Kong Baptist University, Department of Medicine	<i>Jul. 2019</i>
Camberwell Grammar School, Australia	<i>Jul.2015-Aug.2015</i>

RESEARCH EXPERIENCES

Evaluation and mechanism of anti-tumor activity of a dual PI3K-mTOR Inhibitor

- *Sep.2021 - Pres.* Supervised by Dr. Dong Suzhen
- Role: Project leader

Evaluation of anti-tumor activity of compounds

Research in mechanism of an alternative and nonapoptotic cell death program

Fluorescence staining with immunohistochemical method

Detection of the expression changes of different pathways (WB)

Cell-derived xenograft mice rat model

Study of Celastrol Inhibiting Breast Cancer Growth Based on DEGS1-S1P Signal Pathway

- *Apr.2019-Jun.2021* Supervised by Dr. Tan Qingyou
- Role: co-Project leader

Evaluation of cells proliferation, migration, adhesion and tube-forming ability treated by Celastrol

Construction of a transfection model of HUVEC cell-related genes

Establishment of a model of MDA-MB-231 subcutaneous axillary tumors in BALB/C nude mice

SKILLS

Cell biology: Cell culture; Primary isolation and culture of tumor cells

Molecular biology: Transfection model, WB analysis; ELISA; Immunoprecipitation, etc..

Animal: Cell-derived & Patient-derived xenograft model

IT: GraphPad Prism, Adobe Illustrator & Photoshop, Office

Statistics: SPSS, meta-analysis

RESEARCH EXPERIENCE

- Study of Celastrol Inhibiting Breast Cancer Growth Based on DEGS1-S1P Signal Pathway

Evaluation of cells proliferation, migration, adhesion and tube-forming ability treated by Celastrol

Construction of a transfection model of HUVEC cell-related genes

Establishment of a model of MDA-MB-231 subcutaneous axillary tumors in BALB/C nude mice

RESEARCH (Supervised by Dong Suzhen in East China Normal University)

- Evaluation of anti-tumor activity of dual PI3K-mTOR Inhibitor and its anti-tumor mechanism

Evaluation of anti-tumor activity of compounds

Research in mechanism of an alternative and nonapoptotic cell death program

Fluorescence staining with immunohistochemical method

Detection of the expression changes of different pathways (WB)

INTERNSHIP EXPERIENCES

Department of Clinical Pharmacy, Affiliated Hospital of Guilin Medical University

EXCHANGE EXPERIENCES

Camberwell Grammar School, Australia (Jul. 2015-August. 2015)

Hong Kong Baptist University, Department of Medicine (Jul. 2019)

- **桂林医学院附属医院临床药学科**

轮转肿瘤内、心内、呼内等科室、静脉药物配置中心、血药浓度检测室、Ⅰ期
临床试验中心（甲磺酸伊马替尼Ⅰ期临床试验）等

- **桂林鸿卓生物技术有限公司（药学院鸿鹰卓越班）“P 麦”**

项目期间负责包装设计、产品开发、罗汉果代餐麦片产品“P 麦”的上市

- **澳大利亚 Camberwell Grammar School 交流**

- **香港浸会大学医药学院交流**

- 《小鼠、大鼠颈内动脉注射法肿瘤脑转移模型的构建》
作为项目负责人，熟练掌握大鼠颈内动脉注射法等药理学动物实验操作
 - 《雷公藤甲素通过调控鞘磷脂相关基因抑制肺癌细胞增殖、迁移、侵袭作用的研究》
负责开题、综述、分子生物学实验部分
 - 人类肽酰基去甲酰酶抑制剂的抗肿瘤活性评价及机制研究
第一作者文章已发表于期刊 Anti-Cancer Drugs (IF:2.39)
 - PI3K-mTOR 双靶点抑制剂 YYN-37 诱导两种肿瘤细胞死亡的作用及其机制的初步研究
项目期间负责包装设计、产品开发、罗汉果代餐麦片产品“P 麦”的上市
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- 全国大学生英语竞赛 C 类特等奖 2019, 2018
 - “外研社杯·国才杯”全国大学生英语演讲比赛三等奖 2019
 - 广西大学生英语综合能力大赛“大学英语组”一等奖（总排名第一） 2018