

WEIZHE DING

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A: Chongshanzhong Road, Liaoning University, Shenyang, Liaoning, China



EDUCATION

B.S., Biotechnology, Liaoning University

Sep 2018 - Jul 2022

Overall GPA 3.32 / 4.00

AWARDS

2021 Provincial College Student's Innovation Program, Leader

Liaoning University, Top 10%

2021 College Student's Internet+ Innovation Competition, Leader

Liaoning University, Top 5%

2020 University Single Scholarship

Liaoning University, Top 30%

GRANTS

2021 CAS PSIP (AI In Peptide Design)

Funded by National Center for Nanoscience and Technology, CAS (\$ 1000)

2020 CAS PSIP (DASH&Meta-Analysis)

Funded by Shanghai Institute of Nutrition and Health, CAS (\$ 6000)

PATENTS

Chinese Patent No.CN202011124416.6

Application of eriocitrin in the preparation of drugs to inhibit cardiovascular diseases

Chinese Patent No.CN202011226676.4

Application of Polysaccharid lentinus edodes in the preparation of drugs to inhibit amylase

SKILLS

English Proficiency

CET-6: 571

ILETS: 6

Scientific Computing

GROMACS

LINUX

PYTHON

R

RESEARCH

Machine Learning Applied to Kinase

Supervisor: Guohui Li Dec 2020 - Mar 2021

Dalian Institute of Chemical Physics, CAS

Method Investigated the application of machine learnin in kinases for the past ten years

Result Classified into seven directions

Natural Products Inhibit Amylase

Supervisor: Xiangyu Cao Sep 2020 - Current

Liaoning University

Method Combined in silico methods and spectroscopy for identifying novel amylase inhibitors

Result Identified a novel amylase inhibitor from *Dalbergia odorifera*

Molecular Dynamic Fingerprints

Supervisor: Hongsheng Liu Sep 2020 - Current

Liaoning University

Method Developed a higher performance model together with multi-dimensinoal molecular fingerprints to predict hERG cardiotoxicity

Result Improved the accuracy of hERG cardiotox-icity prediciton

Nutrition Epidemiology

Supervisor: Ju-Sheng Zheng Jul 2020 - Jun 2020

Westlake University

Method Analyzed the data of LC-MS in the study of CMPF metabolic mechanism

Result Discovering CMPF as biomarker for T2DM

PUBLICATIONS

1. Jingjing Zhang*, **Weizhe Ding***, Zhipeng Tang et al. Int J Biol Macromol. Under Review (*co-first author) IF=6.953
2. **Weizhe Ding***, Li Zhang*, Yang Nan et al. bioRxiv. (*co-first author) DOI: 10.1101/2021.06.06.447291
3. **Weizhe Ding**, Yang Nan, Shujuan Wu et al. Journal of Mudanjiang Medical College. DOI: 10.13799/j.cnki.mdjyxyxb.2021.04.017
4. Dan Liu, Meng Zeng, Jing-Wen Pi, Mei-Jia Liu, **Wei-Zhe Ding** et al. Chem. Biodiversity. IF=2.408 DOI: 10.1002/cbdv.202001069