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 College Student's Internet+ Innovation Competition, Leader
Liaoning University, Top 5%

JI 2021 Research Intern Program, UMich-Shanghai JiaoTong University
UM-SJTU JOINT INSTITUTE, Top 5%

2020 University Single Scholarship
Liaoning University, Top 30%

GRANTS

2021 CAS PSIP (AI In Peptide Design)
Director, No.20214000908, 2021.08-2022.08
Funded by National Center for Nanoscience and Techonology, CAS ($1000)

2020 Provincial College Student's Innovation Program (Toxicity Prediction)
Director, No.S202110140014,2020.10-2021.10
Funded by Liaoning Province ($300)

2020 CAS PSIP (DASH&Meta-Analysis)
Director, No.E0X4X11311, 2020.08-2021.08
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 Polysacharid 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
Surpervisor: Guohui Li Dec 2020 - Mar 2021
Dalian Institute of Chemical Physics, CAS
Method Investigated the application of machine learning in kinases for the past ten years
Result Classified into seven directions

Natural Products Inhibit Amylase
Surpervisor: 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
Surpervisor: 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 cardiotoxicity prediciton

Nutrition Epidemiology
Surpervisor: 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. **Weizhe Ding** et al. Computers in Biology and Medicine **(SCI, IF=5.925, Q1)**.
DOI: 10.1016/j.compbiomed.2022.105390
2. Jingjing Zhang*, **Weizhe Ding*** et al. SPECTROCHIM ACTA A **(SCI, IF=4.129, Q1)**. Under Review (*co-first author)
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 **(SCI, IF=2.408, Q2)** DOI: 10.1002/cbdv.202001069