Tracey(Jinwen)Li

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EDUCATION

Zhejiang University, School of Medicine Sep 2017-Jun 2022

B.S. in Clinical Medicine

- **GPA(overall):** 3.94/4.0 **GPA(major):** 3.92/4.0
- **Core course:** Ragional Anatomy(97/100), Clinical skill(95/100), Advanced Mathmatics(94/100), Organic Chemistry(95/100), JAVA programming(92/100), Introduction to nanotechnology and its applications(97/100)

The University of British Columbia July 2019-Aug 2019

Student of School Exchange Program

- **Courses:** Introduction to Medical Laboratory Science (87/100), Fundamental Techniques for Clinical and Medical Research Laboratories (94/100)

Zhejiang University, School of Medicine Sep 2022-Expected July 2025

M.S. in Clinical Medicine (residency in Neurology)

RESEARCH EXPERIENCES

Study on the efficacy of the combination therapy of borneol, temozolomide, and risperidone in the treatment of mouse glioma Oct 2019-Jan 2020

Zhejiang University & Zhejiang Chinese Medical University |Advisor: *Prof. Chong Liu*

This project was sponsored by Undergraduate Physiology Science Experimental Course Fund,Zhejiang University.

- This undergraduate preliminary course project aims to cultivate my basic scientific research thinking and teamwork ability. We proposed the usage of the antagonist of dopamine receptor 2-- resperidone--as an adjuvant medicine of temozolomide in treating Glioma.
- As a team and with the guidance and help from research assistants in Zhejiang Chinese Medical University, we established a tumor animal model using U87 cells and Non-Scid mouse. Administer medication orally for two weeks.
- Evaluated relative tumor proliferation rate before and after administration based on live animal fluorescence imaging.

A probe into the mechanism by which Sirt5 inhibits the activation of inflammasome NLRP3 and its role in lipid Metabolism disorders Sep 2019-Sep 2020

Institute of Immunology, School of Medicine, Zhejiang University |Advisor: *Prof. Qingqing Wang*,

This project was sponsored by the grant from the National Natural Science Foundation of China to Qingqing Wang

- Investigated the effects of SIRT5 on NLRP3 activation at the molecular, cellular, and mouse levels using techniques such as WB, Elisa, RT-PCR, immunohistochemistry etc.

Genotype-phenotype relationship in a cohort of 116 Chinese patients with Myotonic Dystrophy type1 Dec 2022- Present

Key Laboratory of Medical Neurobiology of Zhejiang Province |Advisor: *Prof. Zhiying Wu*,

This project was sponsored by the grant from the National Natural Science Foundation of China to Zhi-Ying Wu

- Conducted a retrospective cohort study of 116 DM1 patients in China, which is also the largest cohort of DM1 patients in China.
- Collect demographic information, symptoms, signs, laboratory test results, and MRI data from 116 DM1

patients who were enrolled from June 2015 to December 2022. Extract DNA from peripheral blood samples and perform Triplet-primed PCR to analyze CTG repeats. Utilize contingency analysis for categorical data and parametric or non-parametric test for interval data to find out the relationship between clinical parameters and genetic information (CTG repeats).

- Currently submitting the relevant article as the first author.

Two cases of a novel X-linked recessive distal myopathy caused by SMPX gene mutations. (Jan 2023-present)

Key Laboratory of Medical Neurobiology of Zhejiang Province |Advisor: *Prof. Zhiying Wu*,

This project was sponsored by the grant from the National Natural Science Foundation of China to Zhi-Ying Wu

- Report for the first time 2 cases of a novel distal myopathy related to SMPX gene mutation in Asia.
- 10 cases of novel distal myopathy caused by mutations in the small muscle protein X-linked gene (SMPX) were reported internationally for the first time in 2021. We searched our database and find out two cases of myopathy patients without clear diagnosis but shows SMPX mutation(c.A34G).
- To verify the pathogenicity of SMPX c.A34G, we: Construct plasmids containing the mutation site. Transfect them into 293T cells, detect SMPX protein solubility by WB.

WORK EXPERIENCES & SOCIAL ACTIVITIES

- **Chairman&Founder**, Rubik's Cube Association of Bashu Middle School (2015-2017)
- **Minister**, Office Department, Table Tennis Association of Zhejiang University (2018-2019)
- **Intern**, the Second Affiliated Hospital of Zhejiang University School of Medicine (Aug 2020-May 2022)
- **Residency**, the Second Affiliated Hospital of Zhejiang University School of Medicine (Sep 2022-present)

HONORS AND AWARDS

- 1st in the 6th National Innovative Research Design Forum in Basic Medicine for College Students 2021
- Medical Student Award in Chinese National Rare Disease Science Popularization Competition 2023
- Best Paper Presentation Award, Annual Academic Conference of the Neurology Branch, Zhejiang Medical Association 2024
- Zhejiang Provincial Government Scholarship 2019&2020
- Zhejiang University First Class Scholarship (Top 4 student) 2022
- Best Lecturer of the Year at the Human Body Museum of Zhejiang University (Top1 lecturer) 2019
- Outstanding Academic Achievement Award 2018-2022

SKILLS

- **Experimental skills:**

Molecular Experiments: molecular cloning, RT-PCR, Western Blotting.

Cellular Experiments: cell culture and passage, transfection, cell cryopreservation and recovery

Animal Experiments: mouse raising and breeding, genotyping, mouse behavioral experiment

- **Language skills:**

TOEFL: Total 106 (Reading 30, Listening 26, Speaking 24, Writing 26)

- **Clinical skills:**

Tracheal intubation, Lumbar puncture, Using electrocardiograph and identifying electrocardiograms, Cardiopulmonary resuscitation, Basic surgical skills, Fundamental reading of medical imaging, etc