

# Yuting Liao

+86 13858879223 [liaoYuting@stu.xmu.edu.cn](mailto:liaoYuting@stu.xmu.edu.cn)

## EDUCATION

### Xiamen University

Fujian, China

Master of Medicine in Public Health (GPA: 3.26)

Expected: Sept 2020- Jul 2023

#### Core Courses:

- **Advanced Epidemiology** (Randomized controlled trial; Mathematical model of epidemiology; Qualitative study in epidemiology; Infectious disease epidemiology; Molecular epidemiology)
- **Advanced Health Statistics** (Logistic regression; Discriminant analysis; Principal components analysis and factor analysis; Cluster analysis; Structural equation modelling; Statistical forecasting)

### Wenzhou Medical University

Zhejiang, China

Bachelor of Medicine in Preventive Medicine (GPA: 3.32)

Sept 2015- Jul 2020

#### Core Courses:

- Epidemiology; Medical Statistics; Internal Medicine; Infectious Diseases; Surgery; Occupational Health and Occupational Medicine; Nutrition and Food Hygiene; Environmental Hygiene

## RESEARCH EXPERIENCE

### Joint postgraduate student

Zhejiang, China

Institute of Immunization, Zhejiang Provincial Center for Disease Control and Prevention

Jan 2021- present

#### Clinical Research Projects:

5. Evaluate the immunogenicity and safety of recombinant novel coronavirus vaccine (CHO cells) after two doses of inactivated vaccine in people over 18 years old
  4. Immunogenicity and safety of a SARS-CoV-2 inactivated vaccine (CoronaVac) co-administered with an inactivated quadrivalent influenza vaccine: a randomized, open-label, noninferiority trial in healthy adults.
  3. Evaluating the immune bridging study of recombinant human papillomavirus 9-valent vaccine (Hansenula) in Chinese women aged 9-19 years old
  2. Evaluating the immunogenicity and safety of lyophilized human rabies vaccine (Vero cells) Zagreb program (2-1-1) in a randomized, open-label, controlled design in phase III clinical trial
  1. Evaluating immunogenicity and safety of live attenuated nasal spray influenza vaccine in healthy people aged 3-59 in a multicenter, randomized, double-blind, active-controlled and placebo-controlled, three-arm design phase II clinical trial
- Research protocol formulation, research site quality control, cohort maintenance and follow-up, data analysis and be able to independently undertake large-cohort population trials

#### Bench Research Project:

2. A protein subunit vaccine booster following two doses of inactivated SARS-CoV-2 vaccine provides high neutralisation of SARS-CoV-2 and its variants
  1. Revealing the characteristics of antibody-mediated immune responses induced by human rabies vaccine based on scRNA-Seq technology
- Samples collection, PBMCs isolation, cell culture, single-cell sequencing, Elisa, RNA-seq data analysis

### Visit student

Zhejiang, China

Disease and Population Lab, Westlake University

Jul – Aug 2018

- Research Project: Mendelian randomization in predicting causal relationship between autoimmune diseases and bone mineral density
  - Review literature, collect data from two databases and participate in data analysis (R package)

### Undergraduate student

Zhejiang, China

Institute of Nutrition and Disease, Wenzhou Medical University

Mar – Nov 2016

- Research Project: Long non-coding RNAs as biomarkers for Alzheimer's disease
  - Independently complete experiments (RNA extraction, RT-PCR, qPCR, etc.)

## PUBLICATIONS

## Published papers

11. Liao, Y.<sup>#</sup>; Jin, Y.<sup>#</sup>; Zhang, H.; Yang, J.; Fu, J.; Lv, H., Immunogenicity of a trivalent influenza vaccine and persistence of induced immunity in adults aged  $\geq 60$  years in Taizhou City, Zhejiang Province, China, during the 2018–2019 season. *Human Vaccines & Immunotherapeutics* (2022). IF=4.5
10. Liao, Y.; Yang, J.; Huang, S.; Su, Y., Intention and influencing factors of COVID-19 vaccination among people aged  $\geq 60$  years in Zhejiang Province. *Chinese Journal of Disease Control* (2022). (Chinese core journal)
9. Yang, J.<sup>#</sup>; Liao, Y.<sup>#</sup>; Hua, Q.; Lv, H., A Survey of Awareness of COVID-19 Knowledge, Willingness and Influencing Factors of COVID-19 Vaccination. *Vaccines (Basel)* (2022). IF=4.9
8. Feng, L.<sup>#</sup>; Liao, Y. T.<sup>#</sup>; He, J. C.; Xie, C. L.; Chen, S. Y.; Fan, H. H.; Su, Z. P.; Wang, Z., Plasma long non-coding RNA BACE1 as a novel biomarker for diagnosis of Alzheimer disease. *BMC Neurol* (2018). IF=2.5
7. Yang, J.; Liao, Y.; Hua, Q.; Sun, C.; Lv, H., Knowledge, attitudes, and practices toward COVID-19: A cross-sectional study during normal management of the epidemic in China. *Frontiers in Public Health* (2022). IF=6.4
6. Hua, Q.; Zhang, H.; Yao, P.; Xu, N.; Sun, Y.; Lu, H.; Xu, F.; Liao, Y.; Yang, J.; Mao, H.; Zhang, Y.; Zhu, H.; Hu, X.; Jiang, J. and Lv, H., Immunogenicity and immune-persistence of the CoronaVac or Covilo inactivated COVID-19 Vaccine: A 6-month population-based cohort study. *Frontiers in Immunology* (2022). IF=8.7
5. Wang, F.; Huang, B.; ...; Chang, S.; Liao, Y.; Chen, F.; Rodewald, L. E.; Gao, G. F.; Yin, Z. and Tan, W., Factors associated with neutralizing antibody levels induced by two inactivated COVID-19 vaccines for 12 months after primary series vaccination. *Frontiers in Immunology* (2022). IF=8.7
4. Xia, J.; Xie, S. Y.; ...; Liao, Y. T.; ...; Zhu, X.W.; Cong, P. K.; Elder, J. T.; Ye, Z. M.; Wang, B.; Zheng, H. F., Systemic evaluation of the relationship between psoriasis, psoriatic arthritis and osteoporosis: observational and Mendelian randomisation study. *Ann Rheum Dis* (2020). IF=19.1

## Paper in review

3. Liao, Y.<sup>#</sup>; Chen, Y.<sup>#</sup>; Chen, B.<sup>#</sup>; Liang, Z.; Hu, X.; Xing, B.; Yang, J.; Zheng, Q.; Hua, Q.; Yan, C. and Lv, H., Safety and immunogenicity of heterologous recombinant protein subunit vaccine (ZF2001) booster against COVID-19 at 3-9-month intervals following two-dose inactivated vaccine (CoronaVac). *Frontiers in Immunology* (2022). IF=8.7 [Submitted in Aug, 2022]

## Papers in progress

2. “Longitudinal Dynamics of B-Cell Response at Antibody and the Single-Cell Level in Response to rabies vaccine in Essen regimen in human” with Lv, H. and Zhang, H.
1. “A protein subunit vaccine booster following two doses of inactivated SARS-CoV-2 vaccine provides high neutralisation of SARS-CoV-2 and its variants” with Lv, H.

## ADDITIONAL EXPERIENCE

### Seminar on single-cell omics

Zhejiang, China

Zhejiang University

Oct 2022

- Learn more about single-cell sequencing in life sciences and single-cell experimental design and data analysis
- Computer practice: Cytoscape network visualization analysis, R in action

## ADWARDS

- First class scholarship for Graduate students (2022)
- Third prize in the First XMU Academic English Speech Contest for Graduate Students (2020)
- Excellent graduate of Wenzhou Medical University (2020)
- Second class scholarship for Undergraduates (2019, 2018, 2017)
- Merit Student of Wenzhou Medical University (2018)
- Third prize in Mathematical Contest in Modeling for college students (2017)

## SKILLS

- Software: SPSS (master), Graphpad Prism (master), PASS (familiar), R (familiar), SAS (learned)
- Language: English (basic communication), Chinese(native)
- Passed national public health medical licensing examination