

Curriculum vitae

Basic Personal Information

Name: Jianhong Liao

Gender: Man

Ethnic group: Han Chinese

Date of birth: 1998.2.15

Specialized: Otorhinolaryngology

Contact number: 15801399290

Mentor: Professor Han Demin

Email: liaojh@ccmu.edu.cn

Education

2016.09–2021.06 Capital Medical University (B.S.)

Monitor

Head of the Organization Department of the Red Cross Society of the University

2021.09–2024.06 Beijing Tongren Hospital, Capital Medical University

Class of 2021 Graduate Class President

Member of the Party Branch Organization, United Front Work Committee, and Youth Committee of the 2021 Otolaryngology Graduate Students

Director of the Life Department of the Graduate Student Association

Personal outcomes

Publications:

1. **Liao J**, Gao X, Shi Y, Li Y, Han D. Evaluation of obstructive sleep apnea: an analysis based on aberrant genes. *Sleep Breath*. 2023 Aug; 27(4):1419–1431. doi: 10.1007/s11325-022-02749-1. Epub 2022 Nov 23. PMID: 36418734.

2. Gao X, Wei T, Wang H, Sui R, **Liao J**, Sun D, Han D. Causal associations between obstructive sleep apnea and COVID-19: A bidirectional Mendelian randomization study. *Sleep Med*. 2023 Jan;101:28–35. doi: 10.1016/j.sleep.2022.09.013. Epub 2022 Oct 13. PMID: 36334498; PMCID: PMC9557138.

3. Sui R, Li J, Shi Y, Yuan S, Wang H, **Liao J**, Gao X, Han D, Li Y, Wang X. Associations Between Sleep Spindle Metrics, Age, Education and Executive Function in Young Adult and Middle-Aged Patients with Obstructive Sleep Apnea. *Nat Sci Sleep*. 2024 Jan 6;16:1–15. doi: 10.2147/NSS.S436824IF: 3.4 Q2. PMID: 38213412; PMCID: PMC10778138.

4. **Liao J**, Qin Q. Identification of ATXN3 and UBE2S as prognostic markers for osteosarcoma

by a regression model for integrating multiomics. WCRJ 2021; 8: e2051.DOI: 10.32113/wcrj_20217_2051.

5. **Liao J**, Shi Y, Gao X. et al. Efficacy of oral appliance for mild, moderate and severe obstructive sleep apnea: a meta-analysis. Otolaryngol Head Neck Surg (Accept).

6. Fan J*, **Liao J***, Huang Y. Combined bioinformatics and machine learning methodologies Reveal prognosis-related ceRNA network and propose ABCA8, CAT, and CXCL12 as independent protective factors against osteosarcoma. Adv Clin Exp Med (Accept).

Scientific research experience

2019–present

National Key R&D Program of the Ministry of Science and Technology: Application Research on Wearable Digital Equipment for Upper Airway Ventilation Disorders

National Natural Science Foundation of China: Research on the termination mechanism of respiratory events in patients with obstructive sleep apnea with different phenotypes

Participate in research design, data collection and analysis.

Personal rewards

Capital Medical University National Scholarship 2023

In 2023, he will be an outstanding Communist Party member of Beijing Tongren Hospital affiliated to Capital Medical University

General Assembly Communication

In 2022, he delivered a speech at the 19th National Academic Conference on Otolaryngology–Head and Neck Surgery of the Chinese Medical Association

Poster of the 13th Annual Conference of Sleep Medicine of the Chinese Medical Doctor Association in 2022

Speech at the 2023 National Throat and Voice Annual Conference of the Chinese Medical Association in 2023

Poster of the 14th Annual Conference of Sleep Medicine of the Chinese Medical Doctor Association in 2023