



EDUCATION

The Chinese University of Hong Kong QS Top100

Aug 2023 - Jul 2027

PhD Student of Psychology

Hong Kong

Tianjin University (Peiyang University) 985 211

Sep 2019 - Jan 2022

Applied Psychology Master

Tianjin

- GPA: 91.506/100 (TOP 1%)
- National Scholarship for Postgraduates
- Outstanding Master's Thesis of Tianjin University

Jilin University — Key 985&211 Project University 985 211

Sep 2014 - Jun 2018

Material Forming and Control Engineering Bachelor

Changchun

PUBLICATIONS (#co-first, *co-corresponding)

1. **Guo, L.**, An, L., Luo, F., & Yu, B. (2020). Social isolation, loneliness and functional disability in Chinese older women and men: a longitudinal study. *Age and Ageing*, 50(4), 1222-1228. (2021 IF = 12.782)
2. **Guo, L.#**, Yang, L.#, Rao, L., Luo, F., Gao, N., Jia, X., & Yu, B. (2022). Too depressed to breathe: the longitudinal association between depressive symptoms and lung function among general middle-aged and older adults. *Archives of Gerontology and Geriatrics*, 104797. (2021 IF = 4.163)
3. **Guo, L.**, Luo, F., Gao, N., & Yu, B. (2021). Social isolation and cognitive decline among older adults with depressive symptoms: prospective findings from the China Health and Retirement Longitudinal Study. *Archives of Gerontology and Geriatrics*, 104390. (2021 IF = 4.163)
4. Luo, F., **Guo, L.**, Thapa, A., & Yu, B. (2021). Social isolation and depression onset among middle-aged and older adults in China: Moderating effects of education and gender differences. *Journal of Affective Disorders*, 283, 71-76. (2020 IF = 6.533)
5. Wang, N.#, An, L. #, ..., **Guo, L.***, Yu, B.*, et al. (2022) Isolated from the air: the prospective association between social isolation, loneliness, and peak expiratory flow. *Submitted*.

RESEARCH EXPERIENCE

Photobiomodulation (PBM) for improving cognition

Aug 2023

PhD student in CUHK, Department of Psychology

Hong Kong

Great-Bay-Area Healthy Aging Brain Study

May 2022 - Jun 2023

Research Assistant in GuoLab (website: <http://guotf-lab.szbl.ac.cn/>)

Shenzhen

- Project: social isolation, loneliness, and Alzheimer's diseases: evidence from public health, imaging analysis, and biomarkers
- Data collection: collecting cognition data (n=361), blood samples (n=337), stool samples (n=121), imaging data (n=220) with other members of the Guo Lab
- Clinical Assessments: neuropsychological assessments, cognitive report, follow-up contact (n=35)

- Imaging: assisting in scanning, image quality control, data copy, protocol correction, and imaging analysis (n=50)
- Biomarkers: assisting in taking blood and cerebrospinal fluid samples; completing plasma, white blood cell separation; sample storage, and plasma protein quantitative analysis, etc. (n=100)
- Analyzing the ADNI database (Alzheimer's Disease Neuroimaging Initiative) using R and Matlab

Effect of ultrasound stimulation on A β plaque and tau tangle in 5xFAD mice

Oct 2022 - Jun 2023

Research assistant in GuoLab

Shenzhen

- Animal experimentation certificate (No. SZBLLACE00305)
- Debug ultrasound parameters using the Tektronix waveform generator
- Anesthetize mice and guide the placement of the ultrasound focus by using digital stereotaxic guidance system

The National Social Science Foundation, China: Study on the influence and intervention of loneliness on physical and mental health of urban elderly (grant numbers 18BSH118)

Sep 2019 - May 2022

Tianjin

Alumni in Yu Lab (website: <https://bin-team.netlify.app/>)

- Three English papers have been published
- Recruited 94 community-dwelling older adults
- Employed E-prime-based cognitive tasks and Biopac-based physiological indices collection
- Proficient in cohort and longitudinal data analysis
- Supervising a graduate student to graduation

HONORS & AWARDS

2021 National Scholarship for Postgraduates	2021.10
2022 Outstanding Master's Thesis of Tianjin University	2022.05
Outstanding Peer Tutor of Tianjin University Academic Winter Camp	2022.01
2021 Tianjin University Merit Student	2021.10
Volunteer of psychological assistance for COVID-19 pandemic	2020.05
National Silver Award of the 2nd China International College Students' 'Internet+' Innovation and Entrepreneurship Competition	2016.10

LEADERSHIP EXPERIENCE

TIEMX

Sep 2015 - Dec 2016

Chief Operating Officer

Changchun

- WeChat operation: with 30,000 reading
- Conducted over 10 project roadshows
- Won 3 Innovation and Entrepreneurship Competitions

SKILLS

- **Statistical skills:** SPSS, Stata, R, MATLAB, Office
- **Languages:** Mandarin (native), English (fluent)