

# Zhuoran Li

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## ACADEMIC APPOINTMENTS

2023      Postdoc, Steady Family Department of Pediatrics, Division of Neurology  
University of Iowa Carver College of Medicine

## EDUCATION

2017 - 2023	Ph.D.	Tsinghua University	Psychology
2013 - 2017	B.S.	Tsinghua University	Physics

## AWARDS AND HONORS

2023      Excellent Ph.D. Graduate, Beijing  
2023      Excellent Doctoral Dissertation, Tsinghua University  
2021      National Scholarship for Ph.D. Student, National  
2021      Best Oral Award of Doctoral Forum, Tsinghua University  
2019      Tachiki Scholarship, Tsinghua University  
2016      Outstanding Volunteer Award, Tsinghua University  
2016      Excellent Social Work Award, Tsinghua University  
2013      First Prize of Freshmen Scholarship, Tsinghua University  
2013      Number One Scholar of National College Entrance Examination, Hunan Province

## PUBLICATIONS

**Li, Z.**, Zhang, D. (2023). How does the human brain process noisy speech in real life? Insights from the second-person neuroscience perspective. *Cognitive Neurodynamics*.

**Li, Z.**, Hong, B., Wang, D., Nolte, G., Engel, A. K., & Zhang, D. (2023). Speaker-listener neural coupling reveals a right-lateralized mechanism for non-native speech-in-noise comprehension. *Cerebral cortex (New York, N.Y. : 1991)*, 33(7), 3701–3714..

**Li, Z.#**, Li, J.#, Hong, B., Nolte, G., Engel, A. K., & Zhang, D. (2021). Speaker-listener neural coupling reveals an adaptive mechanism for speech comprehension in a noisy environment. *Cerebral cortex (New York, N.Y. : 1991)*, 31(10), 4719–4729. (#: co-1<sup>st</sup> author)

- Chen, J.#, **Li, Z.#**, Hong, B., Maye, A., Engel, A. K., & Zhang, D. (2019). A single-stimulus, multitarget BCI based on retinotopic mapping of motion-onset VEPs. *IEEE transactions on bio-medical engineering*, 66(2), 464–470. (#: co-1<sup>st</sup> author)
- Shui, X., Zhang, M., **Li, Z.**, Hu, X., Wang, F., & Zhang, D. (2021). A dataset of daily ambulatory psychological and physiological recording for emotion research. *Scientific data*, 8(1), 161.
- Feng, X., Lu, X., **Li, Z.**, Zhang, M., Li, J., & Zhang, D. (2020). Investigating the physiological correlates of daily well-being: a PERMA model-based study. *The Open Psychology Journal*, 13(1), 169-180.

## MANUSCRIPTS

- Li, Z.**, Hong, B., Nolte, G., Engel, A. K., Zhang, D. Speaker-listener neural coupling correlates with semantic and acoustic features of naturalistic speech. (under review)
- Zhang, X., Li, J., **Li, Z.**, Hong, B., Diao, T., Ma, X., Nolte, G., Engel, A. K., & Zhang, D. Leading and following: Noise differently affects semantic and acoustic processing during naturalistic speech comprehension. (under review)

## ACADEMIC ACTIVITIES

- 2023     *Human Brain Research Lab*, Department of Neurosurgery, University of Iowa. (Virtual talk)
- 2022     *Fourth BNU Young Scholars Forum*, Beijing Normal University. (Virtual talk)
- 2022     *Crossmodal Learning Summer School*, National Nature Science Foundation of China and Deutsche Forschungsgemeinschaft. (Virtual talk)
- 2021     *Crossmodal Learning Summer School*, National Nature Science Foundation of China and Deutsche Forschungsgemeinschaft. (Virtual talk)
- 2021     *Doctoral Forum of Tsinghua University*, Beijing. (Talk)
- 2019     *Doctoral Forum of Tsinghua University*, Beijing. (Poster)
- 2018     *IEEE EMBS International Summer School*, Beijing. (Poster)
- 2016     *Master's Forum of the National Psychological Congress*, Xi'An. (Talk)

## TEACHING ASSISTANT EXPERIENCE

- |             |                                  |
|-------------|----------------------------------|
| Spring 2021 | Analysis of Brain Imaging Data   |
| Fall 2020   | Psychological Statistic          |
| Spring 2019 | Advanced Psychological Statistic |
| Spring 2018 | Engineering Psychology           |