

YUAN, DI

+852 6340-3592
yuandi@link.cuhk.edu.hk
yuandi-psy.github.io

EDUCATION

- 2021.08-present **PhD Student in Psychology**
The Chinese University of Hong Kong, Hong Kong SAR, China
Supervisor: Prof. Patrick Wong, Prof. Urs Maurer
- 2016.09-2019.06 **MA.Sc in Psychology**
East China Normal University, Shanghai, China
Supervisor: Prof. Xianchun Li
- 2012.09-2016.06 **B.S in Psychology**
Jilin University, Jilin, China

EXPERIENCE

- 2019.06-2021.06 **Research Assistant**
Shenzhen Institute of Neuroscience,
Guangdong-Hongkong-Macau Institute of CNS Regeneration and
Ministry of Education CNS Regeneration Collaborative Joint Laboratory
Principle Investigator: Prof. Li-Hai Tan

PUBLICATIONS

[*corresponding author, # co-first author]

- Yuan, D.**, Chang, W. T., Ng, I. H., Tong, M. C. F., Chu, W. C. W., Young, N. M., & Wong, P. (2024, May 31). Preoperative Neuroanatomical Features Outperform Non-Neural Features in Predicting Auditory Skills in Chinese-Learning Children After Cochlear Implantation. <https://doi.org/10.31234/osf.io/e2w5y>
- Yuan, D.**, Tournis, E., Ryan, M. E., Lai, C. M., Geng, X., Young, N. M., & Wong, P. C. M. (2024). Early-stage use of hearing aids preserves auditory cortical structure in children with sensorineural hearing loss. *Cerebral Cortex*, *34*(4), bhae145.
- Yuan, D.**, Ng, I., Feng, G., Chang, W-T., Tong, M., Young, N., Wong, P. (2023). The Extent of Hearing Input Affects the Plasticity of Auditory Cortex in Children with Hearing-loss: A Preliminary Study. *American Journal of Audiology*, 1-12.
- Shao, X., Luo, D., Zhou, Y., Xiao, Z., Wu, J., Tan, L. H., ... & **Yuan, D***. (2022). Myeloarchitectonic Plasticity in Elite Golf Players' Brains. *Human Brain Mapping*, *43*(11), 3461-3468.
- Yuan, D.**, Luo, D., Kwok, V. P., Zhou, Y., Tian, H., Yu, Q., ... & Tan, L. H. (2021). Myeloarchitectonic asymmetries of language regions in the human brain. *Cerebral Cortex*, *31*(9), 4169-4179.
- Yuan, D.#**, Tian, H.#, Zhou, Y., Wu, J., Sun, T., Xiao, Z., ... & Tan, L. H. (2021). Acupoint-brain (acubrain) mapping: common and distinct cortical language regions activated by focused ultrasound stimulation on two language-relevant acupoints. *Brain and Language*, *215*, 104920.
- Yuan, D.**, Zhang, R., Liu, J., Feng, D., Hu, Y., Li, X., ... & Zhou, X. (2022). Interpersonal neural synchronization could predict the outcome of mate choice. *Neuropsychologia*, *165*, 108112.

- Zhu, Y., Xu, M., Lu, J., Hu, J., Kwok, V. P., Zhou, Y., **Yuan, D.**, Wu, B., Zhang, J., Wu, J. & Tan, L. H. (2022). Distinct spatiotemporal patterns of syntactic and semantic processing in human inferior frontal gyrus. *Nature Human Behaviour*, 6(8), 1104-1111.
- Zhang, R., Zhou, X., Feng, D., **Yuan, D.**, Li, S., Lu, C., & Li, X. (2021). Effects of acute psychosocial stress on interpersonal cooperation and competition in young women. *Brain and Cognition*, 151, 105738.
- Liu, J., Qiu, S., Chen, X., Zhou, Y., Wu, J., Sun, T., **Yuan, D.**, Tian, H., Kwok, V., Tan, L. H. (2020). Focused ultrasound stimulation on human language-related acupoints modulates brain activity in cortical language processing regions. *Human Behaviour and Brain*, 1(1), 22-27.
- Li, X., **Yuan, D.**, Fan, Y., Yan, C., & Gao, L. (2019). Effect of motion perception on intertemporal choice is associated with the altered time perception. *Psychological Reports*, 122(1), 117-134.
- Liu, J., Zhang, R., Geng, B., Zhang, T., **Yuan, D.**, Otani, S., & Li, X. (2019). Interplay between prior knowledge and communication mode on teaching effectiveness: interpersonal neural synchronization as a neural marker. *NeuroImage*, 193, 93-102.
- Wang, C., Zhang, T., Shan, Z., Liu, J., **Yuan, D.**, & Li, X.* (2019). Dynamic interpersonal neural synchronization underlying pain-induced cooperation in females. *Human Brain Mapping*. 40(11), 3222-3232.
- Li, X.* , Bei, L., **Yuan, D.**, Ding, Y., & Feng, D. (2018). The brain-to-brain correlates of social interaction in the perspective of hyperscanning approach. *Journal of Psychological Science*. (6), 29. [in Chinese]

PATENT

The detection technique, system and storage medium of hemispheric asymmetry (*Shenzhen Institute of Neuroscience, ZL 2020 1 0367686.3*)

CONFERENCE PROCEEDINGS

- Yuan, D.**, Xu, E., NG, I., Chang, W.T., Tong, M., Young, N., Wong, P. (2024). Preoperative Neuroanatomical Features Outperform Non-Neural Features in Predicting Auditory Skills in Chinese-Learning Children with Cochlear Implants. *CI2024*. July, Vancouver, BC.
- Yuan, D.**, Young, N.M., Wong, P. (2023). Preoperative Neuroanatomical Differences Predict Speech Development in Children with Cochlear Implants: Cross-Validation and Preliminary External Validation. *14th Asia Pacific Symposium on Cochlear Implant and Related Sciences*, November, Coex Seoul, Korea.
- Yuan, D.**, Young, N.M., Wong, P. (2023). Preoperative Neural Networks Predict Children's Speech and Language Improvement 24 Months After Cochlear Implantation. *Society for the Neurobiology of Language 15th Annual Meeting*, October, Marseilles, France.
- Yuan, D.**, Tournis, E., Ryan, M.E., Lai, C.M., Geng, X., Young, N., Wong, P. (2023). The Degree of Hearing Loss Moderates the Benefit of Pre-operative Hearing Aid Use in Preserving Children's Auditory Cortex. *CI2023*. June, Dallas, Texas.
- Yuan, D.**, NG, I., Chang, W.T., Chu, W., Young, N., Wong, P. (2022). Extent of Hearing Loss, Pre-operative Hearing Aid Use and Cortical Structural Alteration in Pediatric Cochlear Implant Candidates. *Neuroscience 2022*. November, San Diego, California.
- Yuan, D.**, Li, X. (2018). Interpersonal neural synchronization as a neural signature of outcome of mate choice. *fNIRS 2018*. October, 2018, Tokyo, Japan.
- Yuan, D.**, Li, X. (2017). Synchronous brain activity during cooperative reading depends on reciprocal attraction. *2nd Symposium on Inter-Brain Cognition*. April, 2017, Shanghai, China.

Yuan, D., Li, B. (2016). The effect of subliminal affective priming on directed forgetting. *Shanghai Psychological Society*. November, 2016, Shanghai, China.

Yuan, D., Li, B. (2015). The effect of subliminal affective priming on directed forgetting. “*Psychology for the 21st century*” *Undergraduate Academic Forum in Peking University*. April, 2015, Beijing, China.

INVITED TALKS

- The Extent of Hearing Input Affects the Plasticity of the Auditory Cortex in Children with Sensorineural Hearing-loss. *The Chinese University of Hong Kong ENT Conference 2023*, May, Hong Kong SAR, China.
- Microstructural Asymmetries of Language Regions in the Human Brain, *2022 First Conference on Bilingualism and Language Acquisition*, October, Beijing, China.

AD HOC REVIEWING

Science Advances, Ear and Hearing, Behavioural Brain Research, Neuroscience Letters

TEACHING ASSISTANTSHIPS

- *PSYC1000B General Psychology*, The Chinese University of Kong Kong
- *PSYC9094 Practicum in Psychology and Health*, The Chinese University of Kong Kong
- *Statistical Consulting*, The Chinese University of Kong Kong
- *PSYC7012 Neuroimaging Methods in Psychology*, The Chinese University of Kong Kong

AWARDS & HONOR

- The Second Prize Scholarship (1000CNY, 2012~2013)
- The Individual Scholarship (300CNY, 2013~2014)
- The Second Prize Scholarship (1000CNY, 2014~2015)
- The National College Students' Innovation and Entrepreneurship Training Program (5000CNY, 2014)
- The National Grant for Full-time Graduate Student (18000CNY, 2016~2019)
- Best Presentation, Title “Interpersonal neural synchronization predicts the outcome of mate choice”, *School of Psychology and Cognitive Science, East China Normal University* (2018)
- Wisdom Scholarship of East China Normal University (2000CNY, 2019)