Ya-Ping Chen 陳雅苹

Contact Information

Affiliation	School of Occupational Therapy, College of Medicine, National Taiwan University
Address	4F., No. 17, Xuzhou Rd., Zhongzheng Dist., Taipei 100, Taiwan
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Education

Feb 2019 – Mar 2024	Ph.D. (Dr. rer. nat.) in Psychology (mainly trained in Cognitive Neuroscience) Centre for Cognitive Neuroscience, Paris Lodron University of Salzburg, Austria Advisor: Nathan Weisz, Ph.D., Anne Hauswald, Ph.D. Dissertation: Degraded speech processing in normal hearing population and single-sided deaf cochlear implant users
Sep 2016 – Jun 2018	Master of Science in Psychology (mainly trained in Cognitive Neuroscience) Department of Psychology, College of Science, National Taiwan University, Taiwan Advisor: Bo-Cheng Kuo, Ph.D. Thesis title: Neural correlates for location-shared and feature-bound representations in visual working memory: An MEG study
Sep 2006 – Jun 2010	Bachelor of Science in Occupational Therapy Department of Occupational Therapy, College of Medicine, National Taiwan University, Taiwan

License

Board-certified Occupational Therapist, Taiwan, OTR No. 003259

Research Experiences

Sep 2026 – Present	Postdoctoral Research Fellow School of Occupational Therapy, College of Medicine, National Taiwan University Advisor: Hao-Ling Chen, Ph.D.
Feb 2025 – Jul 2026	Postdoctoral Research Fellow Centre for Cognitive Neuroscience, Paris Lodron University of Salzburg, Austria Advisor: Nathan Weisz, Ph.D., Anne Hauswald, Ph.D.
Jun 2024 – Jan 2025	Postdoctoral Research Fellow Department of Neurosurgery, University Hospital Erlangen, Germany Advisor: Nadia Müller-Voggel, Ph.D.
Feb 2019 – Apr 2024	Research Associate Centre for Cognitive Neuroscience, Paris Lodron University of Salzburg, Austria Advisor: Nathan Weisz, Ph.D., Anne Hauswald, Ph.D.
Aug 2018 – Jan 2019	Research Associate Department of Psychology, National Taiwan University Advisor: Bo-Cheng Kuo, Ph.D.
Aug 2014 – Jul 2016	Research Assistant Laboratory of Cognitive Neuroscience, Institute of Linguistics, Academia Sinica, Taiwan Advisor: Chih-Mao Huang, Ph.D., Hsu-Wen Huang, Ph.D.

Oct 2010 – Jul 2014 Research Assistant
Department of Occupational Therapy, National Taiwan University &
Pain Management Center, Taipei Medical University - Shuang Ho Hospital, Taiwan
Advisor: Chien-Te Wu, Ph.D., Chi-Lun Rau, M.D., Ph.D.

Academic Honors and Awards

Taiwan-Austria Cooperation Promotion Grant, Austria, 2024 (Co-Investigator)
- awarded for joint activities and direct collaboration between Dr. Chih-Mao Huang's lab (NT$1,000,000/US$33,323) and Dr. Nathan Weisz's lab (€3,500/US$3,882)

Taiwanese Overseas Pioneers Grant for PhD Candidate, Taiwan, 2023
- 1-year grant, for completing the dissertation (NT$900,000/US$29,597)

Taiwan-Austria Cooperation Promotion Grant, Austria, 2020 (Co-Investigator)
- awarded for joint activities and direct collaboration between Dr. Chih-Mao Huang's lab (NT$1,000,000/US$33,323) and Dr. Nathan Weisz's lab (€2,900/US$3,216)

Travel Grant, Ministry of Science and Technology, Taiwan, 2017
- for participating in ICON 2017 at Amsterdam (NT$48,000/US$1,579)

Travel Grant, Taipei Medical University, Taiwan, 2016
- for participating in CNS 2016 at New York (NT$52,000/US$1,710)

Presidential Award, National Taiwan University, Taiwan, Fall 2009 & Spring 2010
- awarded to the top 5% students in their class each semester

Outstanding College Youth, National Taiwan University, Taiwan, 2010
- the most prestigious honor to graduate and college students for outstanding academic performance and social contribution in the university each year

Publications

Peer-Reviewed Journal Articles

- **Chen YP***, Neff P*, Leske S, Wong DDE, Peter N, Obleser J., Kleinjung T, Dimitrijevic A, Dalal SS, & Weisz N. (2025). Cochlear implantation in adults with acquired single-sided deafness improves cortical processing and comprehension of speech presented to the non-implanted ears: A longitudinal EEG study. *Brain Communications*, *7*(1), fcaf001. IF: 4.5
- Schmidt F, **Chen YP**, Keitel A, Rösch S, Hannemann R, Serman M, Hauswald A, & Weisz N. (2023). Neural speech tracking shifts from the syllabic to the modulation rate of speech as intelligibility decreases. *Psychophysiology*, e14363. IF: 2.9
- **Chen YP**, Schmidt F, Keitel A, Rösch S, Hauswald A, Weisz N. (2023). Speech intelligibility changes the temporal evolution of neural speech tracking. *NeuroImage*, 119894. IF: 4.7
- Hauswald A, Keitel A, **Chen YP**, Rösch S, & Weisz N. Degradation levels of continuous speech affect neural speech tracking and alpha power differently. *European Journal of Neuroscience*. 2020; 00: 1– 15. IF: 3.4
- Chen FT, **Chen YP**, Schneider S, Kao SC, Huang CM, & Chang YK. (2019). Effects of exercise modes on neural processing of working memory in late middle-aged adults: An fMRI study. *Frontiers in Aging Neuroscience, 11*, 224. IF:4.4
- Fan YT, Fang YW, **Chen YP**, Tzeng OJL, Huang HW, & Huang CM. (2018). Aging, cognition, and the brain: Effects of age-related variation in white matter integrity on neuropsychological function. *Aging and Mental Health, 10*, 1-9. IF: 3.0
- Wang HLS, Rau CL, Li YM, **Chen YP**, & Yu R. (2015). Disrupted thalamic resting-state functional networks in schizophrenia. *Frontiers in Behavioral Neuroscience, 9*, 45. IF: 3.4

- Wang HL, **Chen YP**, Rau CL, & Yu CH. (2014). An interactive wireless communication system for visually impaired people using city bus transport. *International Journal of Environmental Research and Public Health*, *11*, 4560-4571. IF: 2.1
- Rau CL, **Chen YP**, Lai JS, Chen SC, Kuo TS, Jaw FS, & Luh JJ. (2013). Low-cost tele-assessment system for home-based evaluation of reaching ability following stroke. *Telemedicine and e-Health*, *19*, 973-978. IF: 1.5
- Rau CL, **Chen YP**, Lin CY, & Liou TH. (2012). [Preliminary Study of Disability Special Medical Clinic Initiative in Taiwan]. *Journal of Disability Research*, *10*, 252-264.

Peer-Reviewed Conference Articles

- Cheng THZ, Chen KL, Schubert J, **Chen YP**, Brown T, & Iversen J. (2023). Similar hierarchical representation of speech and other complex sounds in the brain and deep residual networks: An MEG study. *Proceedings of Interspeech 2023*, 5182–5186.

Preprint

- Volkmer J, Reisinger L, Weisz N, & **Chen YP**. (2026). Meat intake frequency and its associations with incident dementia and cognitive performance: Findings from the UK Biobank. PREPRINT available at Research Square [https://doi.org/10.21203/rs.3.rs-8887266/v1]
- **Chen YP**, Wang HH, SU PY, Yang YC, Wang TN, & Chen HL. (2026). Selective phonological working memory advantages in children with long-term bowed-string instrument training. Under Review.

Invited Talks

- How do human beings process degraded speech? University System of Taiwan, Taipei, Taiwan. 2022.12.18.
- How do human beings process degraded speech? Toronto Auditory Research Group, Toronto, Canada. 2022.11.23.

Conference Posters

- **Chen YP**, Schmidt F, Huang HW, Huang CM, Hauswald A, & Weisz N. (2026). Language familiarity and signal degradation modulate center frequency of coherence spectrum differentially: A cross-cultural approach. Salzburg Mind Brain Annual Meeting (SAMBA), Salzburg, Austria.
- **Chen YP***, Neff P*, Leske S, Wong DDE, Peter N, Obleser J, Kleinjung T, Dimitrijevic A, Dalal S, & Weisz N. (2022). Cochlear implantation for sigle-sided deafness improves speech perception in both CI and non-CI ears: A longitudinal EEG study. Salzburg Mind Brain Annual Meeting (SAMBA), Salzburg, Austria.
- **Chen YP**, Schmidt F, Keitel A, Rösch S, Hauswald A, & Weisz, N. (2022). Speech intelligibility changes the temporal evolution of neural speech tracking. Society for Neuroscience Annual Meeting (SfN), San Diego, California, USA.
- **Chen YP***, Neff P*, Leske S, Wong DDE, Peter N, Obleser J, Kleinjung T, Dimitrijevic A, Dalal S, Weisz N. (2022). Cochlear implantation for sigle-sided deafness improves speech perception in both CI and non-CI ears: A longitudinal EEG study. Advances and Perspectives in Auditory Neuroscience (APAN), San Diego, California, USA.
- **Chen YP**, Schmidt F, Keitel A, Rösch S, Hauswald A, Weisz N. (2020) Neural temporal dynamics of continuous degraded speech processing. Advances and Perspectives in Auditory Neuroscience (APAN), online virtual meeting.
- **Chen YP**, Saiki J, Kuo BC. (2019). Retrospective searching for feature binding of color and letter from within visual working memory representations. Annual Meeting of the Organization for Human Brain Mapping (OHBM), Rome, Italy.
- **Chen YP** & Kuo BC. (2017). The influences of selection history on working memory: An EEG study. International Conference for Cognitive Neuroscience (ICON), Amsterdam, Netherlands.

- **Chen YP**, Fang YW, Lin CP, Tzeng OJL, Huang HW, Huang CM. (2016). Age-related and individual differences in the neural correlates of spatial and temporal information in working memory. Annual Meeting of Cognitive Neuroscience Society (CNS), New York, New York, USA.
- **Chen YP**, Fang YW, Lin CP, Tzeng OJL, Huang HW, Huang CM. (2016). Age-related differences in working memory for order information: An fMRI study. Annual Meeting of Taiwan Society of Cognitive Neuroscience Society, Taipei, Taiwan.
- **Chen YP**, Fang YW, Lin CP, Tzeng OJL, Huang HW, Huang CM. (2015). The neural correlates of working memory for temporal order information: An fMRI study. Annual Meeting of Society for Neuroscience (SfN), Chicago, Illinois, USA.
- Wong J, **Chen YP**, Gau SF, Chien YL, VanRullen R, Wu CT. (2013). Atypical visio-temporal processing in Schizophrenia and Autism Spectrum Disorders revealed by the continuous wagon wheel illusion. Annual Meeting of Vision Science Society (VSS), Naples, Florida, USA.

Teaching Experiences

Fall 2017- Spring 2018	Teaching Assistant Department of Psychology, National Taiwan University *Methods of Psychological Experiments*
Fall 2017- Spring 2018	Teaching Assistant Department of Foreign Languages and Literatures, National Taiwan University *German (I)*
Jun 2017	Instructor Department of Bio-Industry Communication and Development, National Taiwan University 4-hour training course in *Psychtoolbox*
Spring 2017	Teaching Assistant Department of Psychology, National Taiwan University *Freshman Seminar on Psychology*
Fall 2016	Teaching Assistant Department of Psychology, National Taiwan University *Seminar on General Psychology*
Dec 2015	Instructor Laboratory of Cognitive Neuroscience, Institute of Linguistics, Academia Sinica, Taiwan 4-hour course for ROI analysis of *fMRI* data with *MarsBaR*
Jun 2013	Instructor Department of Special Education, National Taiwan Normal University Analysis of fMRI data with *SPM8* in a three-day workshop

Additional Academic Activities

Ad-hoc reviewer	*Imaging Neuroscience, Brain Communications, Psychophysiology, Scientific Reports*, *Frontiers in Neuroscience, Frontiers in Integrative Neuroscience*
Conference Assistant	Salzburg Mind Brain Annual Meeting (SAMBA), Salzburg, Austria, 2019, 2022-2024

Skills and Competences

Computer	MATLAB (Psychtoolbox, FieldTrip, SPM), R, Python (MNE), Presentation, E-Prime
Language	Mandarin (native), English (advanced), Taiwanese (intermediate), German (intermediate)