# Brian W. L. (Wai Leung) Wong

Basque Center on Cognition, Brain and Language (BCBL)
Office Address: Paseo Mikeletegi 69, 2º, 20009 Donostia – San Sebastián. Gipuzkoa
Email: b.wong@bcbl.eu | Website: https://brianwlwong.owlstown.net/ | ORCID: 0000-0002-0519-6116

## EDUCATION

September 2022–Present
● *Basque Center on Cognition, Brain and Language (BCBL) & University of the Basque Country (UPV/EHU)*
**Ph.D. in Cognitive Neuroscience**
- Supervisors: Dr. Efthymia Kapnoula and Prof. Arthur Samuel
- Dissertation title: *Individual Differences in Speech Perception: The Malleability of Gradiency and the Functions of Gradiency and Consistency*
- Research summary: Investigates sources, malleability, and functional roles of individual differences in fine-grained speech perception using behavioral, eye-tracking, and EEG methods

January 2025–May 2025
● *Language and Brain Lab, University of Connecticut (UConn)*
**Visiting Student Research Stay** (as part of Ph.D.)
- Host: Prof. Emily Myers
- Research focus: The use of probabilistic speech cues in a bilingual context
- Key activity: Engaged in research on the mechanisms of speech perception

August 2019–August 2021
● *The Chinese University of Hong Kong (CUHK)*
**M.Phil. in Psychology**
- Supervisor: Prof. Urs Maurer
- Thesis title: *Neural Adaptation and Mismatch Negativity (MMN) in a Roving EEG Paradigm with Minimized Expectation*
- Research summary: Combined linear regression and dynamic causal modeling (DCM) to investigate the relationship between neural adaptation and MMN, their underlying mechanisms, and their links to reading ability

September 2013–June 2018
● *The Chinese University of Hong Kong (CUHK)*
**Bachelor of Social Science in Psychology, minoring in Economics**
- Concentrations: Cognitive Science & Education and Human Development
- Thesis title: *The Effects of Input and Output Modalities on Language Switching between Chinese and English*
- Research summary: Examined and compared switch costs in visual, auditory, manual, and vocal modalities using a picture naming paradigm with language switching

February–July 2016
● *The University of Queensland (UQ)*
- Exchange program organized by Office of Academic Links, CUHK

June–August 2014
● *The University of Washington (UW)*
- International & English Language Programs (IELP), organized by Chung Chi College, CUHK

## RESEARCH EXPERIENCE

September 2021–July 2022
● **Research Assistant**, *Life Span Development Laboratory, CUHK*
- Supervisor: Prof. Catherine McBride
- Project title: *Multimodal Approaches to Testing and Prediction in Early Academic Achievement: Chinese, English, and Mathematics*
- Contributions: Digitalized behavioral tests using jsPsych (JavaScript)

January 2021–June 2022
● **Independent Study**, *Language and Cognitive Development Laboratory, CUHK*

- Supervisor: Prof. Tomohiro Inoue
- Project title: *Revisiting the Influence of Phonological Similarity on Cognate Processing: Evidence from Cantonese-Japanese Bilinguals*
- Contributions: Conceived the study, designed stimuli, collected behavioral data of a Japanese lexical decision experiment, analyzed the data using linear mixed-effect modelling (LMEM) and wrote up the study

September 2018–July 2019 ● **Research Assistant**, *Cognitive Neuroscience of Language Laboratory, CUHK*
- Supervisor: Prof. Urs Maurer
- Project title: *Neural Facilitation Through Fast Magnocellular Visual Projections in Reading Chinese*
- Contributions:
→ Prepared stimuli and collected EEG data for a research study on the processing by magnocellular and parvocellular pathways in the context of Chinese word reading
→ Assisted in EEG data collection in an intervention study of children with dyslexia

August 2018–June 2019 ● **Part-time Research Assistant**, *the Education University of Hong Kong*
- Supervisor: Prof. Jie Wang
- Contributions: Prepared stimuli and collected behavioral data for a project regarding orthographic and phonological processing of Chinese words by using a picture naming paradigm

June 2017–August 2018 ● **Student Helper**, *Language and Gesture Laboratory, CUHK*
- Supervisor: Prof. Catherine So Wing-Chee
- Contributions: Collected behavioral data for a research study on comparing the effectiveness of robot-based and human-based interventions on gesture production in children with autism

September 2017–May 2018 ● **Undergraduate Thesis**, *Cognitive Neuroscience of Language Laboratory*, *CUHK*
- Supervisor: Prof. Urs Maurer
- Project title: *The Effects of Input and Output Modalities on Language Switching between Chinese and English*
- Contributions: Formulated the study, designed stimuli, collected behavioral data of a picture naming experiment, conducted data analysis and wrote the thesis

## JOURNAL ARTICLES

Google Scholar metrics (as of 2 July 2026): 316 citations | h-index = 8 | i10-index = 7

● **Wong, B. W. L.**, Samuel, A. G., & Kapnoula, E. C. (2026). Speech perception consistency facilitates initial lexical activation, but not speech perception flexibility. *Scientific Reports, 16,* 16189. https://doi.org/10.1038/s41598-026-47943-3

● **Wong, B. W. L.**, Samuel, A. G., & Kapnoula, E. C. (2026). The role of speech perception gradiency in L1 versus L2 spoken-word recognition. *Journal of Experimental Psychology: Human Perception and Performance, 52*(5), 553–572. https://doi.org/10.1037/xhp0001399

● **Wong, B. W. L.**, Chan, L. Y. H., Huo, S., & Maurer, U. (2026). Minimal evidence of adaptation deficits in children with dyslexia: An EEG study with controlled expectations. *Neuropsychologia*, 227, 109445. https://doi.org/10.1016/j.neuropsychologia.2026.109445

● Ma, J., **Wong, B. W. L.,** Lui, K. F. H., Lo, J. C. M., Huo, S., McBride, C., & Maurer, U. (2026). Comparing developmental neural incongruency effects in reading and arithmetic among children: An ERP study. *Cortex, 194,* 239–252. https://doi.org/10.1016/j.cortex.2025.12.001

● Huang, X., **Wong, B. W. L.**, Sommer, W., Dimigen, O., & Maurer, U. (2025). No unique magnocellular facilitation in parafoveal processing: A combined EEG and eye-tracking study. *Neurobiology of Language. 7,* NOL.a.223. https://doi.org/10.1162/NOL.a.223

● Yang, Y., Liu, Z., **Wong, B. W. L.**, Huo, S, Wang, J., Lee, T., Hoeft, F., & Maurer, U. (2025). Deviant functional connectivity patterns in the EEG related to developmental dyslexia and their potential use for screening. *Biological Psychology, 201,* 109130. https://doi.org/10.1016/j.biopsycho.2025.109130

● **Wong, B. W. L.**, Hemelstrand, S, & Inoue, T. (2025). Revisiting the influence of phonological similarity on cognate processing: Evidence from Cantonese-Japanese bilinguals. *Quarterly Journal of Experimental Psychology, 78*(3), 619–637. https://doi.org/10.1177/17470218241242631

● Huang, X., **Wong, B. W. L.,** Ng, H. T. Y., Sommer, W., Dimigen, O., & Maurer, U. (2025). Neural mechanism underlying preview effects and masked priming effects in visual word processing. *Attention, Perception, & Psychophysics*, *87*(1), 5–24. https://doi.org/10.3758/s13414-024-02904-8

● **Wong, B. W. L.**, Huo, S., & Maurer, U. (2024). Adaptation patterns and their associations with mismatch negativity (MMN): An Electroencephalography (EEG) study with controlled expectations. *European Journal of Neuroscience, 60*(9), 6312–6329. https://doi.org/10.1111/ejn.16546

● Huo, S., Wang, J., **Wong, B. W. L.**, Wu, K. C., Mo, J., & Maurer, U. (2024). Development of EEG alpha and theta oscillations in the maintenance stage of working memory. *Biological Psychology, 191,* 108824. https://doi.org/10.1016/j.biopsycho.2024.108824

● Hemelstrand, S., **Wong, B. W. L.**, McBride, C., Maurer, U., & Inoue, T. (2024). The impact of character complexity on Chinese literacy: A generalized additive modeling approach. *Scientific Studies of Reading, 28*(1), 1–20. https://doi.org/10.1080/10888438.2023.2217967

● **Wong, B. W. L.**, Lam, H. C., Lo, W. K. J., Maurer, U., & Huo, S. (2024). How do Hong Kong bilingual children with Chinese dyslexia perceive dyslexia and academic learning? An interview study of metaphor analysis. *Reading and Writing, 37*(7), 1753–1777. https://doi.org/10.1007/s11145-023-10434-2

● Wang, J., Huo, S., Wu, K. C., Mo, J., **Wong, W. L.**, & Maurer, U. (2022). Behavioral and neurophysiological aspects of working memory impairment in children with dyslexia. *Scientific Reports, 12*(1), 12571. https://doi.org/10.1038/s41598-022-16729-8

● Huang, X., **Wong, W. L.**, Tse, C. Y., Sommer, W., Dimigen, O., & Maurer, U. (2022). Is there magnocellular facilitation of early neural processes underlying visual word recognition? Evidence from masked repetition priming with ERPs. *Neuropsychologia, 170,* 108230. https://doi.org/10.1016/j.neuropsychologia.2022.108230

● **Wong, W. L.**, & Maurer, U. (2021). The effects of input and output modalities on language switching between Chinese and English. *Bilingualism: Language and Cognition, 24*(4), 719–729. https://doi.org/10.1017/S136672892100002X

● Wang, J., Wu, K. C., Mo, J., **Wong, W. L.**, Siu, T. S. C., McBride, C., Chung, K. K. H., Wong, P. C. M., & Maurer, U. (2020). Remediation of a phonological representation deficit in Chinese children with dyslexia: A comparison between metalinguistic training and working memory training. *Developmental Science, 24*(3), e13065. https://doi.org/10.1111/desc.13065

● So, W. C., Wong, M. K. Y, Lam, W. Y., Cheng, C. H., Ku, S. Y., Lam, K. Y., Huang, Y., & **Wong, W. L.** (2019). Who is a better teacher for children with autism? Comparison of learning outcomes between robot-based and human-based interventions in gestural production and recognition. *Research in Developmental Disabilities*, *86*, 62–75. https://doi.org/10.1016/j.ridd.2019.01.002

● So, W. C., Wong, M. K. Y, Lam, W. Y., Cheng, C. H., Yang, J. H., Huang, Y., Ng, P., **Wong, W. L.**, Ho, C. L., Yeung, K. L., & Lee, C. C. (2018). Robot-based intervention may reduce delay in the production of intransitive

gestures in Chinese-speaking preschoolers with autism spectrum disorder. *Molecular Autism, 9*(1), 34. https://doi.org/10.1186/s13229-018-0217-5

## BOOK CHAPTERS

● Hemelstrand, S., **Wong, B. W. L.,** & Inoue, T. (in press). The orthographic orthodoxy: How Japanese flies in the face of typical literacy development. In H. Winskel & H. Pae (Eds.), *Handbook of nonlinear writing systems: Complex processes and learning challenges* (pp. xx–xx). Springer.

## ONGOING PROJECTS

● **Wong, B. W. L.**, Samuel, A. G., Myers, E., & Kapnoula, E. C. (under review). Tracking two distributions at once? Evidence from bilingual speech perception. *Journal of Memory and Language*. Preprint: https://osf.io/preprints/psyarxiv/2jy4r_v2

● **Wong, B. W. L.**, Samuel, A. G., Kapnoula, E. C., & McLaughlin, D. J. (under review). Perceptual rhythmic ability predicts cognitive load in perception of accented second language speech. *Journal of Speech, Language, and Hearing Research.* Preprint: https://osf.io/preprints/psyarxiv/8xywk_v4

●**Wong, B. W. L.,** Samuel, A. G., & Kapnoula, E. C. (under review). Weak links between speech perception and production at the subphonemic level. *Language, Cognition and Neuroscience.* Preprint: https://osf.io/qr9zt_v1

● **Wong, B. W. L.**, Gür, E., Kapnoula, E. C., & Kutlu, E. (in preparation). Trajectories of gradiency, consistency, and accent processing in adult L2 learning: A longitudinal study. OSF preregistration: https://osf.io/wm9ab

● **Wong, B. W. L.**, Panyutina, A., Abu El Adas, S., & Kapnoula, E. C. (in preparation). Word-related and individual-related factors in L2 English word naming: A generalized additive mixed-effects modeling approach.

● Gür, E., **Wong, B. W. L.**, Kapnoula, E. C., & Kutlu, E. (in preparation). The role of gradient speech perception in novel phoneme acquisition. OSF preregistration: https://osf.io/xmd8r

● Hemelstrand, S., **Wong, B. W. L.**, Wong, K. Y., & Inoue, T. (in preparation). Making molehills out of mountains: Testing the Graphic Complexity Hypothesis with Chinese as a Second Language (CSL) learners. OSF preregistration: https://osf.io/q35vs

● Yang, Y., Liu, Z., **Wong, B. W. L.**, Huo, S, Hoeft, F., & Maurer, U. (under review). Screening for developmental dyslexia in Hong Kong Chinese children using resting- and task-state EEG with convolutional neural networks.

## CONFERENCE PRESENTATIONS

● **Wong, B. W. L.**, Panyutina, A., Abu El Adas, S., & Kapnoula, E. C. (2026, June 24–27). Beyond frequency: Age-dependent sensitivity to neighbourhood density and phonological distinctiveness in L2 vocabulary learning and lexical access. The 35th annual conference of the European Second Language Association (EuroSLA 35), Lisbon, Portugal. https://eurosla35.fcsh.unl.pt/

● **Wong, B. W. L.**, Samuel, A. G., & Kapnoula, E. C. (2026, January 7–9). *Weak links between speech perception and production at the subphonemic level.* [Poster presentation]. Experimental Psychology Meeting, London, U.K. https://eps.ac.uk/next-meeting/

● **Wong, B. W. L.**, Samuel, A. G., & Kapnoula, E. C. (2025, November 20–23). *Tracking two distributions at once? Evidence from Spanish–Basque bilingual speech perception.* [Poster presentation]. Psychonomic Society 66th Annual Meeting, Denver, U.S.A. https://www.psychonomic.org/page/2025annualmeeting
***Recipient of the Psychonomic Society Graduate Travel Award***

● **Wong, B. W. L.**, Samuel, A. G., & Kapnoula, E. C. (2025, October 1). *Speech perception gradiency and L2 proficiency: How listeners deal with ambiguity in L1 versus L2.* [Poster presentation]. BCBL Scientific day, San Sebastián, Spain.

● **Wong, B. W. L.**, Samuel, A. G., & Kapnoula, E. C. (2025, June 9–13). *Use of probabilistic speech cues in a bilingual context.* [Oral presentation]. The 15th International Symposium on Bilingualism (ISB15), San Sebastián, Spain. https://www.bcbl.eu/events/isb15/en/

● **Wong, B. W. L.**, Samuel, A. G., & Kapnoula, E. C. (2025, April 23–25). *The roles of gradiency and language proficiency in L2 speech perception flexibility: Evidence from Spanish-English bilinguals.* [Oral presentation]. The 11th International Symposium on the Acquisition of Second Language Speech (New Sounds 2025), Toronto, Canada. https://newsounds2025.artsci.utoronto.ca/

● **Wong, B. W. L.**, Samuel, A. G., & Kapnoula, E. C. (2025, April 16). *Speech perception gradiency and L2 proficiency: How listeners deal with ambiguity in L1 versus L2.* [Data blitz and poster presentation]. Language Festival 2025, University of Connecticut, U.S.A. https://languagefest.uconn.edu/

● **Wong, B. W. L.**, Samuel, A. G., Kapnoula, E. C., & McLaughlin, D. J. (2024, November 21–24). *Effects of accent familiarity and rhythmic abilities on cognitive load in L2 listening: An individual difference approach*. [Poster presentation]. Psychonomic Society 65th Annual Meeting, New York, U.S.A. https://www.psychonomic.org/page/2024annualmeeting

●**Wong, B. W. L.**, Samuel, A. G., Kapnoula, E. C., & McLaughlin, D. J. (2024, May 29–31). *Effects of accent familiarity and rhythmic abilities on cognitive load in L2 listening: An individual difference approach*. [Oral presentation]. BCBL Pupillometry Workshop 2024, San Sebastián, Spain. https://www.youtube.com/playlist?list=PL0IH6W6wl0Tk7KHEaSZLlqEnF6c6XMzvA

● Yang, Y., Liu, Z., **Wong, B. W. L.**, Huo, S., Wang, J., Lee, T., Hoeft, F., & Maurer, U. (2024, October 24–26). *Screening for developmental dyslexia in Hong Kong Chinese children using resting- and task-State EEG with convolutional neural networks*. [Poster presentation]. Society for the Neurobiology of Language (SNL) 16th Annual Meeting, Brisbane, Australia. https://www.neurolang.org/2024/

● Ma, J., **Wong, B. W. L.**, Lui, F. H., Huo, S., McBride, C., & Maurer, U. (2024, October 24–26). *Developmental neural incongruency patterns between sentence reading and arithmetic: An ERP study*. [Poster presentation]. Society for the Neurobiology of Language (SNL) 16th Annual Meeting, Brisbane, Australia. https://www.neurolang.org/2024/

● Maurer, U., **Wong, B. W. L.**, Wu, K. C., Wang, J., & Wang, F. (2024, July 10–13). *Fast, neural tuning for print in Chinese: ERP data from skilled adults and children with and without dyslexia*. [Oral presentation]. Society for the Science Study of Reading (SSSR) Conference 2024, Copenhagen, Denmark. https://www.triplesr.org/sssr-thirty-first-annual-conference

● Yang, Y., Liu, Z., **Wong, B. W. L.**, Huo, S., Hoeft, F., & Maurer, U. (2024, February 29–March 1). *Screening for developmental dyslexia in Hong Kong Chinese children using resting- and task-State EEG with convolutional neural networks*. [Poster presentation]. The 8th Annual Conference of the Association for Reading and Writing in Asia (ARWA) 2024, Jeju island, Korea. https://www.arwasia.org/

● Ma, J., **Wong, B. W. L.**, Lui, F. H., Huo, S., McBride, C., & Maurer, U. (2024, February 29–March 1). *Commonalities and differences between neural incongruency effects in reading and mathematics: An ERP study*. [Oral presentation]. The 8th Annual Conference of the Association for Reading and Writing in Asia (ARWA) 2024, Jeju island, Korea. https://www.arwasia.org/

● **Wong, B. W. L.**, Samuel, A. G., & Kapnoula, E. C. (2023, November 16–19). *Individual differences in speech perception gradiency and listeners' recovery from lexical garden paths in L1 and L2*. [Poster presentation]. Psychonomic Society 64th Annual Meeting, San Francisco, U.S.A. https://www.psychonomic.org/page/2023annualmeeting

● **Wong, B. W. L.**, Chan, L. Y. H., Huo, S., & Maurer, U. (2023, October 24–26). *Adaptation and mismatch negativity (MMN) in dyslexia: Comparing first vs. subsequent repetitions in a roving EEG paradigm with minimized expectations*. [Poster presentation]. Society for the Neurobiology of Language (SNL) 15th Annual Meeting, Marseille, France. https://www.neurolang.org/2023/

● Hemelstrand, S., **Wong, W. L.**, McBride, C., Maurer, U., & Inoue, T. (2023, February 23–24). *The impact of character complexity on Chinese literacy*. [Oral presentation (online)]. The 7th Annual Conference of the Association for Reading and Writing in Asia (ARWA) 2023, Hong Kong, China. https://www.arwasia.org/

● Ma, J., **Wong, W. L.**, Lui, F. H., Huo, S., McBride, C., & Maurer, U. (2023, February 23–24). *Commonalities and differences between neural incongruency effects in reading and mathematics: An ERP study*. [Poster presentation (online)]. The 7th Annual Conference of the Association for Reading and Writing in Asia (ARWA) 2023, Hong Kong, China. https://www.arwasia.org/

● Huang, X., **Wong, W. L.**, Ng, T. Y., Sommer, W., Dimigen, O., & Maurer, U. (2022, June 7–8). *Neural mechanisms underlying parafoveal preview effects and masked priming effects in visual word processing*. [Poster presentation (online)]. Organization for Human Brain Mapping (OHBM) 2022 Annual Meeting, Glasgow, Scotland. https://www.humanbrainmapping.org/i4a/pages/index.cfm?pageid=4118

● **Wong, W. L.**, Maurer, U., & Inoue, T. (2022, February 24–25). *The influence of phonological similarity on cognate recognition in Cantonese-Japanese bilinguals*. [Poster presentation (online)]. The 6th Annual Conference of the Association for Reading and Writing in Asia (ARWA) 2022, Hong Kong, China. https://www.arwasia.org/

● **Wong, W. L.**, Lam, H. C., Lo, J. W. K., Maurer, U., & Huo, S. (2022, February 24–25). *How Hong Kong bilingual children with Chinese dyslexia perceive academic learning? An interview with metaphor analysis*. [Oral presentation (online)]. The 6th Annual Conference of the Association for Reading and Writing in Asia (ARWA) 2022, Hong Kong, China. https://www.arwasia.org/

● Huang, X., Ng, H., **Wong, W. L.**, Tse, C. Y., Sommer, W., Dimigen, O., & Maurer, U. (2022, February 24–25). *Acceleration of visual-orthographic processing in reading Chinese after masked repetition priming and parafoveal preview: Evidence from ERPs*. [Oral presentation (online)]. The 6th Annual Conference of the Association for Reading and Writing in Asia (ARWA) 2022, Hong Kong, China. https://www.arwasia.org/

● Huo, S., Wu, K. C., Mo, J. H., **Wong, W. L.**, Wang, J., & Maurer, U. (2022, February 24–25). *English sub-lexical orthographic knowledge in children with Chinese dyslexia: Latent profile analysis*. [Oral presentation (online)]. The 6th Annual Conference of the Association for Reading and Writing in Asia (ARWA) 2022, Hong Kong, China. https://www.arwasia.org/

● Maurer, U., **Wong, W. L.**, Song, B., Wu, K. C., Mo, J., Ng, T. Y., Huo, S., Wang, J., & Wang, F. (2021, October 5–8). *Fast, neural tuning for print in Chinese: ERP data from skilled adults and children with and without dyslexia*. [Poster presentation (online)]. Society for the Neurobiology of Language (SNL) 13th Annual Meeting, Novato, U.S.A. https://www.neurolang.org/

● Huang, X., Dimigen, O., Sommer, W., Wong, C.-N., **Wong, W. L.**, Tse, C.-Y., & Maurer, U. (2021, October 5–8). *Is there magnocellular facilitation in early visual word recognition? Evidence from ERPs*. [Poster presentation (online)]. Society for the Neurobiology of Language (SNL) 13th Annual Meeting, Novato, U.S.A. https://www.neurolang.org/

● **Wong, W. L.**, & Maurer, U. (2021, March 5–6). *The effects of input and output modalities on language switching between Chinese and English*. [Poster presentation (online)]. The 5th Annual Conference of the Association for Reading and Writing in Asia (ARWA) 2021, Taipei, Taiwan. https://www.arwasia.org/

● Wang, J., Wu, K. C., **Wong, W. L.**, & Maurer, U. (2020, September 24–25). *Phonological Stroop effects in Chinese and English: A comparison of children with dyslexia, typically developing children, and adults*. [Poster presentation

(online)]. The 4th Annual Conference of the Association for Reading and Writing in Asia (ARWA) 2020, Hong Kong, China. https://www.arwasia.org/

● Wang, J., Wong, A. W. K., Maurer, U., **Wong, W. L.**, & Chen, H.-C. (2018, October 19–21). *Phonological interference in a primed picture naming task*. [Oral presentation]. The 17th International Conference on the Processing of East Asian Languages and the 9th Conference on Language, Discourse, and Cognition (ICPEAL 17 – CLDC 9), Taipei, Taiwan. http://homepage.ntu.edu.tw/~gilntu/icpeal2018cldc/

## INVITED TALKS

● **Wong, B. W. L.** (2026, April 6). *Malleability and functions of gradiency and consistency in speech perception in Spanish–Basque–English trilinguals*. The Bilingual and Multilingual Development Lab, University of Toronto, Canada.

● **Wong, B. W. L.**, Hemelstrand, S., & Inoue, T. (2025, September 3–5). *Revisiting the influence of phonological similarity on cognate processing: Evidence from Cantonese-Japanese bilinguals*. 24th Conference of the European Society for Cognitive Psychology (ESCoP), Sheffield, UK. https://www.escop2025.com/
***Recipient of the ESCoP Travel Funding***

● **Wong, B. W. L.** (2024, August 2). *Consistency and gradiency in speech perception: Differential impacts on initial lexical activation and speech perception flexibility in L1 (Spanish) and L2 (English)*. Speech and Music Perception Laboratory, University of Hong Kong, Hong Kong.

## OUTREACH TALK

● **Wong, B. W. L.** (2026, May 19). *When the same sound does not sound the same.* [Public outreach talk]. Pint of Science, Donostia–San Sebastián, Spain. https://pintofscience.es/event/como-el-cerebro-escucha-predice-y-se-equivoca/

## GRANTS, SCHOLARSHIPS, AND AWARDS

| | |
|---|---|
| September 2022–August 2026 | ● *Predoctoral Researcher-Severo Ochoa FPI fellow 2022-2026*<br>- Funded by the Spanish Ministry of Science and Innovation, the State Research Agency, and co-funded by the European Social Fund Plus<br>- Covers studentship, research stays and tuition fees of PhD study<br>- Studentship: Year 1–2: €16,640; Year 3: €17,830; Year 4: €22,290<br>- Additional Funding: €6,860 for research stays and tuition fees |
| February 2026 | ● *Student Stipend – The 35th Annual Conference of the European Second Language Association (EUROSLA 35)* (€275) |
| July 2025 | ● *Graduate Travel Award – Psychonomic Society* (US$750) |
| May 2025 | ● *European Society for Cognitive Psychology (ESCoP) Travel Funding* (€500) |
| June 2021 | ● *CUHK Research Postgraduate Student Grants for Overseas Academic Activities* (HK$626) |
| October 2019–June 2021 | ● *Interdisciplinary Research Seed Funding 2019–20* (Social Science Faculty, CUHK) (HK$15,000)<br>- With Dr. Shuting Huo (Psychology) and Dr. Julia Wing-ka Lo (Social Work)<br>- Project title: *Perceptions and Strategies of Learning by Hong Kong Primary School Children with Dyslexia – a Metaphor Analysis*<br>- Position: Team leader |
| 2018 | ● *Dean's List of the Faculty of Social Science* (CUHK) |

| | |
|---|---|
| 2017 | ● *N.P. Lam Memorial Scholarship in Psychology* (HK$10,000) |
| | ● *Bang How Memorial Scholarship* (HK$3,000) |
| 2016 | ● *Dean's List for Academic Excellence* (UQ) |
| | ● *Australian Government Department of Education Endeavour Cheung Kong Student Exchange Program (ECKSEP) Grant (Round 2016)* (AUD$5000) |
| 2015 | ● *Yasumoto International Exchange Scholarship* (HK$2,000) |
| | ● *Dean's List of the Faculty of Social Science* (CUHK) |
| | ● *Chung Chi Alumni Scholarship for Excellence* (HK$10,000 per year) |
| 2014 | ● *Chung Chi Outgoing Exchange Student Award* (HK$5,000) |
| | ● *Outstanding student award* (UW) |
| 2013 | ● *Honors at Entrance for outstanding academic achievements on admission to CUHK* |

## TEACHING AND MENTORING EXPERIENCE

| | |
|---|---|
| 2024–2026 | ● **Graduate Mentor**<br>Supervised and trained research assistants and master's students in behavioral, eye-tracking, pupillometry, and EEG data collection, preprocessing, and analysis<br>- Maya Thille<br>- Sofía Tagliani Beltrán<br>- Marian Simarro<br>- Karen Correa<br>- Valeria Bevilacqua<br>- François Steffann<br>- Chiara Bernini |
| 2021–2022 | ● **Undergraduate Thesis Supervisor**<br>Supervised an undergraduate thesis titled *Modelling the Cross-language Transfer from Cantonese Tone Sensitivity to English Word Spelling in Cantonese-English Bilingual Adults*<br>- Wong Wang Po |
| 2019–2022 | ● **Undergraduate Research Mentor**<br>Trained undergraduate assistants in experimental design, data collection, and data analysis for EEG and behavioural experiments<br>- Helen Chung<br>- Kathy Wong<br>- Oscar Wong |
| 2021 | ● **Teaching Assistant –** Consciousness |
| 2020 | ● **Teaching Assistant –** Psychological Testing |
| 2020 | ● **Teaching Assistant –** Psychology of Language |
| 2019 | ● **Teaching Assistant –** Memory and Cognition |

## PEER REVIEW

*Bilingualism: Language and Cognition | PeerJ | Quarterly Journal of Experimental Psychology (QJEP) | Journal of Communication Disorders | International Journal of Bilingualism | Journal of Experimental Psychology: Human*

*Perception and Performance* (as trainee) | *Reading and Writing* | *Language, Cognition, and Neuroscience* | *Language and Speech* (twice) | *Journal of Speech, Language, and Hearing Research* (twice) | *Acta Psychologica* (twice) | *International Journal of Applied Linguistics* | *Learning and Individual Differences* | *PLOS ONE* | *Journal of Memory and Language* (twice) | *Asian-Pacific Journal of Second and Foreign Language Education* | *Imaging Neuroscience* | *Neuropsychologia* | *Applied Psycholinguistics*

## PROFESSIONAL SERVICE

| | |
|---|---|
| September 2025–Present | ● **Organizer –** *Spoken Language Interest Group (SLIG) Meeting*, BCBL |
| September 2023–October 2025 | ● **Organizer –** *Journal clubs and lunch meetings with external speakers*, BCBL |
| June 2025 | ● **Organizing Helper –** *The 15th International Symposium on Bilingualism (ISB15)* |
| April 2025 | ● **Interviewee –** *The Spoken Word, Language and Brain Lab Digest* |
| June 2024 | ● **Organizing Helper –** *International Conference on Interdisciplinary Advances in Statistical Learning* |
| September 2023 | ● **Organizing Helper –** *AMLaP 29 conference: Architecture and Mechanisms for Language Processing* |
| June 2023 | ● **Organizing Helper –** *4th iWORDD: International Workshop on Reading and Developmental Dyslexia* |

## PROFESSIONAL MEMBERSHIPS

- Psychonomic Society
- European Society for Cognitive Psychology (ESCoP)
- Society for the Neurobiology of Language (SNL)

## SKILLS

**Statistics:** Regression, Linear Mixed-Effects Modelling (LMEM), Growth Curve Analysis (GCA), Generalized Additive Mixed-Effects Modelling (GAMM), Bayesian statistics

**Software:** Audacity, BrainVision Analyzer, Cartool, CheckVocal, E-Prime, Experiment Builder, Jamovi, OpenSesame, Microsoft Access, Excel, PowerPoint, Word, Praat, PsychoPy, Qualtrics, SPSS, RStudio, Ragu, Visual Studio Code

**Methods:** Behavioral, EEG (*BrainAmp DC with actiCAP, ANT Neuro, and Electrical Geodesics, Inc. (EGI)* systems), eye-tracking (*EyeLink*), MEG, online data collection, pupillometry, qualitative methods

**Programming / Experimental Development:** *jsPsych* / JavaScript, MATLAB (*Psychtoolbox* & *SPM12*), R, Presentation (PCL), Python / PsychoPy

**Languages:** Native Cantonese; fluent English and Mandarin; intermediate Spanish and Japanese