

Jinghua Ou, Ph.D.

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ACADEMIC POSITIONS

- **Postdoctoral Research Associate** 2018 – present
Department of Linguistics, University of Chicago Chicago, IL, US
- **Postdoctoral Fellow** 2016 – 2018
Department of Linguistics & Modern Languages, Chinese University of Hong Kong Hong Kong, China

EDUCATION

- **PhD, Speech and Hearing Sciences** 2012 – 2016
Division of Speech & Hearing Sciences, University of Hong Kong Hong Kong, China
- **MPhil, Linguistics** 2010 – 2012
Department of Chinese & Bilingual Studies, Hong Kong Polytechnic University Hong Kong, China
- **BA, Linguistics** 2006 – 2010
School of Arts, Shenzhen University China

RESEARCH GRANTS

- **Health and Medical Research Fund** Hong Kong Government
Role: Co-investigator 2018 - 2023
 - **Title:** Effects of hearing aid use on cognitive functions and auditory neurophysiology in older adults: a prospective randomized controlled study. Project # 06171006, HK\$ 1,499,728.

PUBLICATIONS

In progress

- Li, Jiaxuan, **Ou, Jinghua**, & Xiang, Ming. (in preparation). When contextual expectations are violated: ERP evidence.
- Xiang, Ming, & **Ou, Jinghua**. (in preparation). Revisiting the form-based account of referential contrast effects.

Journal articles

- **Ou, Jinghua**, & Yu, Alan C. L. (2021). Individual differences in categorisation of speech: Evidence from subcortical, cortical and behavioral measures. *Language, Cognition and Neuroscience*, 37(3), 269-284.
- **Ou, Jinghua**, Yu, Alan C. L. & Xiang, Ming. (2021). Individual differences in categorization gradient as predicted by online processing of phonetic cues during spoken word recognition: Evidence from eye movements. *Cognitive Science*, 45(3), e12948.
- Feng, Gangyi, **Ou, Jinghua**, Gan, Zhenzhong, Jia, Xiaoyan, Wang, Suiping, & Wong, Patrick C. M. (2021). Neural fingerprints underlying individual language learning profiles. *Journal of Neuroscience*, 41(35), 7372-7387.
- Zhang, Caicai, Ho, Oi-Yee, Shao, Jing, **Ou, Jinghua**, & Law, Sam-Po. (2021). Dissociation of tone merger and congenital amusia in Hong Kong Cantonese. *PloS one*, 16(7), e0253982

- **Ou, Jinghua**, & Law, Sam-Po. (2019). Top-down and bottom-up mechanisms as reflected by beta and gamma oscillations in speech perception: An individual-difference approach. *Brain and Language*, 199, 104700.
- Wong, Patrick C. M., **Ou, Jinghua**, Pang, Celestina. W. Y., Zhang, Ling, Tse, C. S. Lam, Linda. C. W., & Antoniou, Mark. (2019). Language training leads to global cognitive improvement in older adults. *Journal of Speech, Language and Hearing Research*, 62(7), 2411-2424.
- **Ou, Jinghua**, & Law, Sam-Po. (2018). Induced gamma oscillations index individual differences in speech sound perception and production. *Neuropsychologia*, 121, 28-36.
- **Ou, Jinghua**, & Law, Sam-Po. (2017). Cognitive basis of individual differences in speech perception, production and representations: The role of domain general attentional-switching. *Attention, Perception & Psychophysics*, 79, 945-963.
- **Ou, Jinghua**, & Law, Sam-Po. (2016). Individual differences in processing pitch contour and rise time in adults: A behavioral and electrophysiological study of Cantonese tone merging. *Journal of the Acoustic Society of America*, 139(6), 3226-3237.
- **Ou, Jinghua**, & Law, Sam-Po. (2015). Relationship between individual differences in speech processing and cognitive functions. *Psychonomic Bulletin & Review*, 22(6), 1725-1732.

Conference proceedings

- **Ou, Jinghua**, & Yu, Alan C. L. (2019). Brainstem encoding of voice onset time: Preliminary Findings. In *Proceedings of the 19th International Congress of Phonetic Sciences* (ICPhs-XIX, pp.2114-2118), Melbourne, Australia.
- Ho, Oi-Yee, Shao, Jing, **Ou, Jinghua**, Law, Sam-Po. & Zhang, Caicai. (2019). Congenital amusia and tone merger: Perception of lexical tones in Hong Kong Cantonese. In *Proceedings of the 19th International Congress of Phonetic Sciences* (ICPhs-XIX, pp.177-181), Melbourne, Australia.
- **Ou, Jinghua**, Law, Sam-Po., Fung, Roxana. S. Y., & Ho, Sabrina. (2014). The role of individual differences in cognitive ability in tone processing in Cantonese: Preliminary Findings. In *Proceedings of the 4th International Symposium on Tonal Aspects of Languages* (TAL-2014, pp. 50-53), Nijmegen, The Netherlands.
- Fung, Roxana. S. Y., & **Ou, Jinghua**. (2011). A perceptual study on the rising tones in Hong Kong Cantonese. In *Proceedings of the Psycholinguistic Representation of Tone Conference (PLRT), Satellite Meeting of the 17th International Congress of Phonetic Sciences* (ICPhs-XVII, pp.74-77), Hong Kong.

CONFERENCE PRESENTATIONS

- **Ou, Jinghua**, & Yu, Alan C. L. (2022). *Early auditory brainstem encoding shapes how cues are weighted in vowel categorization*. The 18th conference of the Association for Laboratory Phonology (LabPhon18), virtual conference. [Poster presentation]
- **Ou, Jinghua**, & Yu, Alan C. L. (2020). *The dynamics of cue re-weighting is reflected in the strength of auditory brainstem encoding: Preliminary findings*. Workshop on Cue weighting: Thinking out of the box, Satellite event at the 17th biennial conference of the Association for Laboratory Phonology (LabPhon17), virtual conference. [Oral presentation]
- **Ou, Jinghua**, & Yu, Alan C. L. (2020). *Individual differences in categorization gradience: Evidence from brainstem, cortical and behavioral measures of VOT differences*. Berkeley Linguistics Society Workshop, Berkeley, CA, US. [Oral presentation]

- **Ou, Jinghua,** & Yu, Alan C. L. (2019). *Individual differences in categorization gradient: A look at the relationship between behavioral, brainstem and cortical measures of VOT differences.* The 24th Annual Mid-Continental Phonetics Phonology Conference, Milwaukee, IL, US. [Oral presentation]
- **Ou, Jinghua,** & Law, Sam-Po. (2019). *Individual differences in bottom-up and top-down processing in speech perception as reflected by beta and gamma oscillations.* The 11th Annual Meeting of the Society of Neurobiology of Language, Helsinki, Finland. [Poster]
- **Ou, Jinghua,** & Law, Sam-Po. (2018). *Understanding individual differences in perception and production of lexical tones through brain oscillations at theta and gamma frequency bands.* Front. Hum. Neurosci. Conference Abstract: Academy of Aphasia 56th Annual Meeting, Montreal, Canada. [Poster]
- **Ou, Jinghua,** Maggu, Akshay, Pang, Celestina W. Y., & Wong, Patrick C. M. (2018). *An auditory-cognitive system in the aging brain: frequency-following response predicts cognitive decline* The 124th Annual Meeting of the Organization of Human Brain Mapping, Singapore. [Poster]
- Ho, Oi-Yee, Shao, Jing, **Ou, Jinghua,** Law, Sam-Po, & Zhang, Caicai. (2018). *Tone merging patterns in congenital amusia in Hong Kong Cantonese.* The 6th International Symposium on Tonal aspects of languages, Berlin, Germany. [Oral presentation]
- **Ou, Jinghua,** & Law, Sam-Po. (2016). *Relationships among speech perception, speech production and cognitive functions: A case study of Cantonese tone merger.* International Meeting of the Psychonomic Society, Granada, Spain. [Poster]
- **Ou, Jinghua,** & Law, Sam-Po. (2015). *Neural correlates of individual differences in processing rising tones in Cantonese: implications for speech perception and production.* The 53th Annual Meeting of the Academy of Aphasia, Tucson, Arizona, US. [Poster]
- **Ou, Jinghua,** & Law, Sam-Po. (2015). *Neural correlates of individual differences in processing rising tones in Cantonese: implications for speech perception and production.* The 7th Annual Meeting of the Society of Neurobiology of Language, Chicago, US. [Poster]
- **Ou, Jinghua,** & Law, Sam-Po. (2015). *Individual differences in processing Cantonese rising tones: implications for the link between speech perception and production.* The 121th Annual Meeting of the Organization of Human Brain Mapping, Hawaii. [Poster]
- **Ou, Jinghua,** Fung, Roxana S. Y., Law, Sam-Po, & Ho, Sabrina. (2014). *Relationships between Individual differences in cognitive abilities and tone processing in the context of sound change.* The 6th Annual Meeting of the Society of Neurobiology of Language, Amsterdam, The Netherlands. [Poster]
- **Ou, Jinghua,** & Law, Sam-Po. (2014). *The role of cognitive abilities in individual differences in tone processing in Cantonese.* The 2nd Workshop on Innovations in Cantonese Linguistics, Chicago. [Oral presentation]
- **Ou, Jinghua,** & Fung, Roxana S. Y. (2011). *Tone merger in Guangzhou Cantonese.* The 16th International conference on Yue Dialects, Hong Kong. [Oral presentation]
- **Ou, Jinghua,** & Fung, Roxana S. Y. (2011). *Perceptual cues used by tone mergers in Guangzhou Cantonese: A preliminary study.* The conference on Phonetics and Phonology in Iberia, Tarragona, Spain. [Poster]

INVITED TALKS

- Dept. of English language & Linguistics May 2021
 National University of Singapore, Singapore
From individual variabilities to community norms: the perspective from speech processing

- Brain and Mind Institute, Dept. of Linguistics & Modern Languages
Chinese University of Hong Kong, Hong Kong, China
Individual differences in processing pitch contour and rise time: A behavioral and EEG study of Cantonese tone merging
 - College of Humanities, Arts, and Social Science
Nanyang Technological University, Singapore
Relationships among individual differences in speech perception, speech production, and cognitive functions: A case study of Cantonese tone merging.
 - HLP Lab, University of Rochester, NY, US
Individual differences in processing pitch contour and rise time: A behavioral and EEG study of Cantonese tone merging

Apr 2016

Feb 2016

Apr 2015

TEACHING EXPERIENCE

1. AS CO-TEACHER

Advanced Experimental Methods (LING 40312), University of Chicago Winter 2019

2. AS GUEST LECTURER

Phonological Analysis II (LING 30102), University of Chicago Feb 2020

Introduction to Chinese Linguistics (CHI520-001), University of Kentucky Feb 2020

Undergraduate Experimental Methods (LING28710), University of Chicago Nov 2019

Language Disorder (LING5608), Chinese University of Hong Kong Apr 2018

3. AS INSTRUCTOR

Problem-based Learning (PBL) Tutor, University of Hong Kong Spring 2014

4. AS TEACHING ASSISTANT

Applied Pronunciation Studies, Hong Kong Polytechnic University Winter 2011

Structure of Modern Chinese, Hong Kong Polytechnic University Winter 2010

MENTORING EXPERIENCE

Co-supervisor of College Research in Arts, Social Sciences, and Humanities

(CRASSH) Scholar, University of Chicago 2019 – 2020

Aoki, Nicholas (BA in Linguistics)

Co-supervisor of MA research practicum, Chinese University of Hong Kong 2017 – 2018

Li, Jiayu (MA in Linguistics)

Co-supervisor of international exchange students, Chinese University of Hong Kong Jul 2017

Ng, Yue Qian (National University of Singapore); Zong, Xuan (UC Berkeley)

Co-supervisor of BSc dissertation projects, University of Hong Kong 2015 – 2016

Leung, Yuen Ying, *Behavioral and event-related potentials (ERPs) study of Cantonese tone merging: the role of cognitive ability in speech processing*

Co-supervisor of BSc dissertation projects, University of Hong Kong 2015 – 2016

Ho, Lok Yee, *Relationship between tone perception and cognitive functions of attention and working memory among normal native speakers of Cantonese*

HONORS AND AWARDS

Brain and Mind Institute Travel Grant, Chinese University of Hong Kong Jun 2018

Conference Grants for Research Students, University of Hong Kong Jun 2015

Postgraduate Studentships, University of Hong Kong 2012 – 2015

Faculty Research Fund for MPhil/PhD/EdD students , University of Hong Kong	Oct 2014
Conference Grants for Research Students , University of Hong Kong	May 2014
Postgraduate Studentships , Hong Kong Polytechnic University	2010 – 2012
Student of Excellent Academic Performance , Shenzhen University	2006 – 2009

ACADEMIC SERVICE AND MEMBERSHIPS

Conference organizing committee	2011
<i>The 16th International conference on Yue Dialects, Hong Kong</i>	
Ad hoc reviewer	
<i>Journal of Applied Psycholinguistics, Language, Cognition and Neuroscience, Laboratory Phonology</i>	
Memberships	
<i>Organization of Human Brain Mapping, Society of Neurobiology of Language</i>	

OTHER ACADEMIC TRAINING

Training Workshop in fMRI , Chinese University of Hong Kong	Mar 2018
<i>Three-day workshop with introduction to fMRI physics, study design, and data analysis using SPM software.</i>	
Research Assistant , University of Hong Kong	2015 – 2016
<i>Major duties: coached BSc students to run EEG experiments and analyze data</i>	
Training Workshop in EEG (with certification) , Neuroscan Company, at Hong Kong Polytechnic University	Sep 2015
<i>Three-day workshop with introduction to EEG physics, study design, and training with CURRY 7 software</i>	
Summer Research Intern , University of Hong Kong	Jul 2012
<i>Research Project: Character Recognition in Chinese developmental dyslexia using ERPs. PI: Sam-Po Law, I-Fan Su</i>	
Summer school , LSA Summer Institute, University of Colorado at Boulder, US	Jul 2011
<i>Courses taken: ERP and Neural Mechanisms of on-line Language Comprehension Using Free-view Eye-tracking to study Spoken Language Sound Change in the lab; Phonetic Theory</i>	

SKILLS AND LANGUAGES

Technical skills: Matlab | Python | R | HTML (basic) | Javascript (basic) | L^AT_EX | Praat | Eye-tracking technique | Electroencephalographic (EEG) technique
Languages: Cantonese (native) | Mandarin Chinese (native-like) | English (highly proficient)