

WING-YEE CHOW

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Basque Center on Cognition, Brain and Language
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EMPLOYMENT

Postdoctoral researcher, Basque Center on Cognition, Brain and Language Line of research: Psycholinguistics, neurolinguistics, real-time sentence comprehension	09/2013 – Present
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EDUCATION

Ph.D. in Linguistics, University of Maryland College Park Dissertation title: The Temporal Dimension of Linguistic Prediction NSF-IGERT fellow in “ <i>Biological and Computational Foundations of Language Diversity</i> ” Certificate in Neuroscience and Cognitive Science	2008 – 2013
B.A. (First Class Honours) in Psychology, McGill University	2005 – 2008
Undergraduate studies in Psychology, The Chinese University of Hong Kong Transferred to McGill University	2004 – 2005

FELLOWSHIPS / AWARDS

Ann G. Wylie Dissertation Fellowship	2012 – 2013
Jerrold J. Katz Young Scholar Award (Award for best presentation at CUNY2011)	2012
Jacob K. Goldhaber Travel Grant	2012
Society for the Neurobiology of Language Travel Award	2012
Science Undergraduate Research Award, McGill University	2007
Boris Muskatov Prize in Psychology, McGill University (Award for best honours thesis)	2007
BUCLD Paula Menyuk Travel Award	2007
Dean’s Honours List, McGill University	2006 – 2008
Dean’s Honours List, Chinese University of Hong Kong	2004 – 2005

PUBLICATIONS [* indicates equal contribution]

Chow, W.Y.*, Lewis, S.* & Phillips, C. (2014). Immediate structural constraints on antecedent retrieval in pronoun resolution. *Frontiers in Psychology*. *Frontiers in Psychology*, 5:630. doi: 10.3389/fpsyg.2014.00630

Chow, W.Y.*, Lago, S.*, Barrios, S., Parker, D., Morini, G., & Lau, E. (2014). Additive effects of repetition and predictability on lexical semantic processing during comprehension. *PLoS ONE* 9(6): e99199. doi: 10.1371/journal.pone.0099199

Chow, W.Y. & Phillips, C. (2013). No semantic illusion in the “Semantic P600” phenomenon: ERP evidence from Mandarin Chinese. *Brain Research*, 1506, 76–93.

MANUSCRIPTS IN PREPARATION

Chow, W.Y., Lau, E., Wang, S., & Phillips, C. (Under revision). Electrical brain potentials revealed temporal dynamics of word prediction during language comprehension.

Dillon, B., **Chow, W.Y.**, Wagers, M., Guo, T., Liu, F. & Phillips, C. (Submitted). The structure-sensitivity of memory access: evidence from Mandarin Chinese.

Chow, W.Y., Li, N., Wang, S. & Phillips, C. (In prep). Are our eyes really faster than our brains? Aligning eye-tracking and ERP time estimates.

Chow, W.Y., Smith, C., Lau, E., & Phillips, C. (In prep). How do we compute predictions for an upcoming verb?

PEER-REVIEWED CONFERENCE PRESENTATIONS

- Chow, W.Y.**, Smith, C., Lau, E., & Phillips, C. (2014). How do we compute predictions for an upcoming verb? Talk to be given at the 20th Architectures and Mechanisms for Language Processing Conference, Edinburgh, UK.
- Lago, S., Sloggett, S., Schlueter, Z., **Chow, W.Y.**, Lau, E., & Phillips, C. (2014). Does pronoun processing vary across languages? Poster to be presented at the 20th Architectures and Mechanisms for Language Processing Conference, Edinburgh, UK.
- Chow, W.Y.**, MacMillan, G., Shah, S., Kurenkov, I., Lau, E., & Phillips, C. (2014). Partial use of available information in the early stages of verb prediction. Poster presented at the 27th annual CUNY Human Sentence Processing Conference, Columbus, OH.
- Chow, W.Y.**, Li, N., Wang, S., & Phillips, C. (2014). Are our eyes really faster than our brains? Evidence from Mandarin Chinese reading. Talk given at the second East Asian Psycholinguistics Colloquium, Chicago, IL.
- Chow, W.Y.**, Wang, S., Lau, E., & Phillips, C. (2013). Predictive computations underlie the N400's sensitivity to thematic role-reversals. Poster presented at the 26th annual CUNY Human Sentence Processing Conference, Columbia, SC.
- Chow, W.Y.**, Phillips, C., & Wang, S. (2013). Are our eyes really faster than our brains? Aligning eye-tracking and ERP time estimates. Poster presented at the 26th annual CUNY Human Sentence Processing Conference, Columbia, SC.
- Chow, W.Y.**, Smith, C., MacMillan, G., & Phillips, C. (2013). Argument identity impacts predictions faster than argument roles. Poster presented at the 26th annual CUNY Human Sentence Processing Conference, Columbia, SC.
- Lago, S., Sloggett, S., **Chow, W.Y.**, & Phillips, C. (2013). What types of lexical information are reaccessed during pronoun processing? Poster presented at the 26th annual CUNY Human Sentence Processing Conference, Columbia, SC.
- Lago, S., **Chow, W.Y.**, Barrios, S., Parker, D., Morini, G., & Lau, E. (2013). Long-term memory effects in the N400 during sentence processing: evidence from a novel recognition memory-sentence comprehension paradigm. Poster to be presented at the 20th annual Cognitive Neuroscience Society meeting, San Francisco, CA.
- Chow, W.Y.**, Phillips, C., & Wang, S. (2013). Unfolding Predictions in Semantic Interpretation: Insights from Blindness to Thematic Role Reversals. Poster to be presented at the 87th Annual Meeting of the Linguistic Society of America, Boston, MA.
- Chow, W.Y.**, Phillips, C., & Wang, S. (2012). When Having More Time Doesn't Help: Predictions are Necessary for "Smart" N400s. Poster presented at the 4th annual meeting of the Society for the Neurobiology of Language, San Sebastian, Spain.
- Chow, W.Y.**, Phillips, C., & Wang, S. (2012). Turning the 'Dumb N400' into the 'Smart N400': What role-reversed sentences tell us about the time course of predictions. Talk given at the 25th annual CUNY Human Sentence Processing Conference, New York, NY.
- Chow, W.Y.**, Phillips, C., & Wang, S. (2012). Wait a second: Eliminating the "Semantic Illusion" in role-reversed sentences. Poster presented at the 19th annual Cognitive Neuroscience Society meeting, Chicago, IL.
- Lewis, S., **Chow, W.Y.**, & Phillips, C. (2012). Structural constraints on pronoun resolution: Distinguishing early and late sensitivity to illicit antecedents. Talk given at the 35th GLOW Colloquium, Potsdam, Germany.
- Chow, W.Y.**, Lewis, S., Lee-Ellis, S., & Phillips, C. (2011). Immediate structural constraints on antecedent retrieval in pronoun resolution. Poster presented at the 24th annual CUNY Human Sentence Processing Conference, Palo Alto, CA.
- Lago, S., **Chow, W.Y.**, & Phillips, C. (2011). Word frequency affects pronouns and antecedents identically: Distributional Evidence. Talk given at the 24th annual CUNY Human Sentence Processing Conference, Palo Alto, CA.
- Chow, W.Y.**, & Phillips, C. (2010). The limits of independent semantic composition: ERP evidence from Chinese. Poster presented at the 17th annual Cognitive Neuroscience Society meeting, Montreal, Canada.
- Chow, W.Y.**, & Phillips, C. (2010). Dual status of the "Thematic P600": ERP evidence from Chinese. Poster presented

at the 23rd annual CUNY Human Sentence Processing Conference, New York, NY.

- Dillon, B., **Chow, W.Y.**, Wagers, M., Guo, T., Liu, F., & Phillips, C. (2010). The structure sensitivity of memory access: evidence from Mandarin Chinese. Talk given at the 23rd annual CUNY Human Sentence Processing Conference, New York, NY.
- Dillon, B., **Chow, W.Y.**, Guo, T., Liu, F., Chen, P., & Phillips, C. (2010). The structure sensitivity of memory access: ERP evidence. Poster presented at the 17th annual Cognitive Neuroscience Society meeting, Montreal, Canada.
- Dillon, B., Xiang, M., **Chow, W.Y.**, & Phillips, C. (2009). The processing of long-distance and local anaphora in Mandarin Chinese. Poster presented at the 22nd annual CUNY Human Sentence Processing Conference, Davis, CA.
- Chow, W.Y.**, White, E., Genesee, F., & Steinhuaer, K. (2007). Second Language Processing in Highly Proficient Chinese and French Late Learners of English: Evidence from Event-related Potentials. Talk given at the 32nd Boston University Conference on Language Development, Boston, MA.

INVITED TALK

- Chow, W.Y.** (2014). The temporal dimension of linguistic computations. Department of Linguistics, University College London.
- Chow, W.Y.** (2013). The temporal dimension of linguistic prediction. Department of Psychology, South China Normal University, China.
- Chow, W.Y.** (2013). Unfolding predictions in semantic interpretation: Insights from N400 blindness to thematic role reversals. Department of Linguistics, University College London.
- Chow, W.Y.** (2013). Unfolding predictions in semantic interpretation: Insights from N400 blindness to thematic role reversals. Basque Center on Cognition, Brain and Language.
- Chow, W.Y.** (2012). Unfolding predictions in semantic interpretation: Insights from N400 blindness to thematic role reversals. Department of Psychology, University of Edinburgh.
- Lewis, S. & **Chow, W.Y.** (2012). Immediate sensitivity to Principle B: Implications for the implementation of grammatical constraints. University of Massachusetts, Amherst.
- Chow, W.Y.** (2011). Do disappearing N400s reflect independent semantic composition? Department of Psychology, South China Normal University, China.

TEACHING EXPERIENCE

As Primary Instructor / Co-instructor

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| Cognitive Psychology 2 , University of the Basque Country
[Masters in Cognitive Neuroscience of Language] Designed the curriculum and evaluation methods; taught lectures and led discussions on classic and current research on memory, learning, and their relations to language | Spring 2014 |
| ERP data processing and analysis workshop , BCBL
Designed and led two half-day tutorials on ERP data processing for pre-doctoral researchers | 2014 |
| Programming, Data Visualization and Statistical Analysis in R , University of Maryland
Designed and led daily tutorials in a two-week intensive training workshop for graduate students and language science researchers from different departments | 2012 |
| LING499 Real-time Language Processing , University of Maryland
[Undergraduate level seminar] Designed the curriculum and evaluation methods; taught lectures on research methods and current psycholinguistic research; directed independent research projects and presentations | Fall 2011 |
| EEG / MEG workshop , University of Maryland
Designed and led a half-day EEG/MEG introduction for students and researchers from Gallaudet University | Fall 2011 |
| EEG workshop , Maryland interdisciplinary WinterStorm Bootcamp | 2010, 2011 |

Designed and provided a half-day introduction to EEG in language research for graduate students and faculty members in the University of Maryland language science community

EEG / MEG workshop, Second Language Research Forum 2010
Designed and provided a half-day introduction to EEG and MEG for second language researchers

As Teaching Assistant

LING200 Introductory Linguistics, University of Maryland Spring 2011
Planned and led weekly discussion sessions to complement regular lectures

HONS218 Honors Seminar: Language and Mind, University of Maryland Fall 2010
Taught lectures on real-time sentence processing

LING240 Language and Mind, University of Maryland Spring 2010
Taught lectures on psycholinguistics

As Mentor

PhD students in IGERT program: Katya Solovyeva (*Second Language Acquisition*); Chuchu Li (*Human Development and Quantitative Methodology*)

Post-baccalaureate research fellows: Iliia Kurenkov (2013-present); Glynis MacMillan (2012-2013); Cybelle Smith (2011-2012)

Undergraduate students: Shefali Shah (2012-13); Erin Mahoney (Summer 2012); David Na (2011-2012)

PREVIOUS RESEARCH EXPERIENCE

Department of Psychology, McGill University

Senior honours thesis. *Infants' acquisition of spatial-relational words*. Advisor: Dr. Kris Onishi 2007 – 2008

Honours thesis. *Second language processing in highly proficient late learners: Evidence from event-related potentials*. Advisors: Prof. Fred Genesee and Dr. Karsten Steinhauer 2006 – 2007

Research assistant. *Cognitive psychology of interpersonal relationships*. PI: Prof. John Lydon 2006 – 2007

School of Communication Sciences and Disorders, McGill University

Research assistant. *Electrophysiology of second language processing*. PI: Dr. Karsten Steinhauer 2007 – 2008

Research assistant. *Language disorder assessment in bilingual children*. PI: Dr. Elin Thordardottir 2006 – 2008

Department of Psychology, Chinese University of Hong Kong

Summer research fellow. *Language development in Cantonese-speaking children*. PI: Prof. Catherine McBride-Chang 2006

PROFESSIONAL ACTIVITIES

Ad hoc reviewer:

National Science Foundation

Architectures and Mechanisms for Language Processing (AMLaP) Conference

Brain and Language

Brain Research

Cognition

Journal of Applied Psycholinguistics

Journal of Memory and Language

Journal of Semantics

Language

Language and Cognitive Processes

Lingua

Neuropsychologia

Invited speaker, 13th Science, Technology and Innovation Week in San Sebastián, Spain 2013

Organizer and host, Student visit from Visual Language and Learning Science of Learning Center 2011

Organizer, IGERT WinterStorm (two-week training workshop for graduate researchers) 2010, 2011

Organizer, Language Science High School Outreach	2010 – 2012
Organizer, MayFest (two-day Linguistics workshop) University of Maryland	2010
President, Linguistics Graduate Student Association, University of Maryland	2009 – 2010
Member, Linguistic Society of America	2012 – present
Member, Cognitive Neuroscience Society	2007 – present
Member, International Association of Chinese Linguistics	2010
Organizer, Hong Kong Psychology Festival	2004 – 2005

SKILLS/LANGUAGES

Experimental techniques: Electroencephalography (EEG), Eye-tracking, Self-paced reading
 Data analysis: R, QMPE, SPSS, EEGLAB, ERPLAB
 Programming languages: Python, MATLAB
 Languages: Cantonese Chinese (native); Mandarin Chinese (near-native); English (highly proficient)

REFERENCE

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Patrick Sturt

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 Sciences, University of Edinburgh
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