

Wing-Yee Chow

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Division of Psychology & Language Sciences
University College London
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EMPLOYMENT

Lecturer in Experimental Linguistics, University College London 09/2014 – Present
Postdoctoral researcher, Basque Center on Cognition, Brain and Language 2013 – 2014

EDUCATION

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

RESEARCH FUNDING

Coping with Prediction Errors in Language Comprehension. (PI; Co-investigator: Suiping Wang). British Academy/ Leverhulme Small Research Grant 04/2017 – 03/2019

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

PEER-REVIEWED JOURNAL PUBLICATIONS [* indicates equal contribution, students are underlined]

Chow, W.Y., & Zhou, Y. (2018). Eye-tracking evidence for active gap-filling regardless of dependency length. *Quarterly Journal of Experimental Psychology*. doi: 10.1177/1747021818804988

Chow, W. Y., Lau, E., Wang, S., & Phillips, C. (2018). Wait a second! Delayed impact of argument roles on on-line verb prediction. *Language, Cognition and Neuroscience*, 33, 803-828. doi: 10.1080/23273798.2018.1427878

Chow, W. Y., Nevins, A., & M., Carreiras. (2018). Effects of subject-case marking on agreement processing: ERP evidence from Basque. *Cortex*, 99, 319-329. doi: 10.1016/j.cortex.2017.12.009

Lago, S., Sloggett, S., Schlueter, Z., **Chow, W.Y.**, Williams, A., Lau, E., & Phillips, C. (2017). Coreference and antecedent representation across languages. *Journal of Experimental Psychology: Learning, Memory, and Cognition*. doi: 10.1037/xlm0000343

Chow, W.Y., Momma, S., Smith, C., Lau, E., & Phillips, C. (2016). Prediction as memory retrieval: timing and mechanisms. *Language, Cognition and Neuroscience*, 31(5), 617-627.

doi:10.1080/23273798.2016.1160135

Chow, W.Y., Smith, C., Lau, E., & Phillips, C. (2016). A ‘bag-of-arguments’ mechanism for initial verb predictions. *Language, Cognition and Neuroscience*, 31(5), 577-596.
doi:10.1080/23273798.2015.1066832

Dillon, B., **Chow, W.Y.**, Xiang, M. (2016). The relationship between anaphor features and antecedent retrieval: comparing Mandarin *ziji* and *ta-ziji*. *Frontiers in Psychology*, 6, 1966.
doi:10.3389/fpsyg.2015.01966

Symeonidou, I., Dumontheil, I., **Chow, W.Y.**, Breheny, R. (2016). Development of online use of theory of mind in adolescence: an eye-tracking study. *Journal of Experimental Child Psychology*, 149, 81-97. doi:10.1016/j.jecp.2015.11.007

Chow, W.Y.*, Lewis, S.* & Phillips, C. (2014). Immediate structural constraints on antecedent retrieval in pronoun resolution. *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

Dillon, B., **Chow, W.Y.**, Wagers, M., Guo, T., Liu, F. & Phillips, C. (2014). The structure-sensitivity of memory access: evidence from Mandarin Chinese. *Frontiers in Psychology*. 5:1025.
doi:10.3389/fpsyg.2014.01025

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

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

Chow, W.Y., & **Chen, D.** (In prep). Predicting (in)correctly: listeners rapidly use unexpected information to revise their predictions.

PLENARY TALK

Chow, W.Y. (2015). From “semantic illusions” to linguistic predictions: evidence and theories. The 2nd UCL Graduate Conference in Linguistics, London, UK.

Chow, W.Y. (2015). How do we compute predictions for an upcoming verb? Evidence from Mandarin Chinese and English. The 3rd East Asian Psycholinguistics Colloquium, Potsdam, Germany.

Chow, W.Y. (2014). The temporal dimension of linguistic computations. Manchester Forum in Linguistics, Manchester, UK.

INVITED TALKS

Chow, W.Y. (2018). Fast and slow predictions in real-time language comprehension. Department of Language and Linguistic Science, University of York.

Chow, W.Y. (2017). Real-time language comprehension: from ‘semantic illusions’ to prediction and memory. School of Psychology & Clinical Language Sciences, University of Reading.

Chow, W.Y. (2016). Back and forth: real-time computation of linguistic dependencies. General Linguistics Seminar, Faculty of Linguistics, Philology & Phonetics, University of Oxford.

Chow, W.Y. (2015). The role of grammatical constraints in real-time linguistic prediction. Department of Linguistics, University of Potsdam, Germany.

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.

PEER-REVIEWED CONFERENCE PRESENTATIONS

- Chow, W.Y.** & Chen, D. (2018). Language comprehenders can use unexpected cues to revise their existing predictions within 500ms. Talk given at the First International Workshop on Predictive Processing, San Sebastian, Spain.
- Chow, W.Y.** & Chen, D. (2018). Listeners rapidly use unexpected information to update their predictions. Poster presented at the 31st annual CUNY Human Sentence Processing Conference, Davis, CA.
- Symeonidou, I., Dumontheil, I., **Chow, W.Y.**, & Breheny, R. (2018). Irony processing in adolescents: an ERP study. Poster presented at the 31st annual CUNY Human Sentence Processing Conference, Davis, CA.
- Fernandes, B., Alexiadou, A., **Chow, W.Y.**, Santi, A. & Grillo, N. (2018). Adaptation to complex cues in sentence comprehension. Poster presented at the 31st annual CUNY Human Sentence Processing Conference, Davis, CA.
- Chow, W.Y.** & Chen, D. (2017). Listeners rapidly use unexpected information to update their predictions. Talk given at the 23rd Architectures and Mechanisms for Language Processing Conference, Lancaster, UK.
- Chow, W.Y.** & Todd, R. (2017). Memory retrieval as a repair mechanism: evidence from eye-tracking. Poster presented at the 23rd Architectures and Mechanisms for Language Processing Conference, Lancaster, UK.
- Chow, W.Y.** (2017). Heavy NP shift really is the parser's last resort. Poster presented at the 30th annual CUNY Human Sentence Processing Conference, Boston, MA.
- Chow, W.Y.**, & Sturt, P. (2017). Predictive pressures do not override the effects of verb bias in syntactic parsing. Poster presented at the 30th annual CUNY Human Sentence Processing Conference, Boston, MA.
- Kong, T.C., & **Chow, W.Y.** (2017). Interplay between Syntax and Pragmatics in Online Reflexive Interpretation. Poster presented at the 30th annual CUNY Human Sentence Processing Conference, Boston, MA.
- Zhou, Y., Todd, R., & **Chow, W.Y.** (2016). Eye-tracking evidence for active gap-filling regardless of dependency length. Poster presented at the 22nd Architectures and Mechanisms for Language Processing Conference, Bilbao, Spain.
- Chow, W.Y.**, Zhou, Y., & Todd, R. (2016). Eye-tracking evidence for active gap-filling regardless of

dependency length. Poster presented at the 29th annual CUNY Human Sentence Processing Conference, Gainesville, FL.

- Chow, W.Y.** & Carreiras, M. (2015). Effects of verb transitivity on subject-verb agreement processing: ERP evidence from Basque. Poster presented at the 21st Architectures and Mechanisms for Language Processing Conference, Malta.
- Chow, W.Y.** & Kurenkov, I., Buffinton, J., Kraut, B., & Phillips, C. (2015). How predictions change over time: evidence from an online cloze paradigm. Poster presented at the 21st Architectures and Mechanisms for Language Processing Conference, Malta.
- Chow, W.Y.** & Carreiras, M. (2015). Effects of ergative case marking in online verb predictions: ERP evidence from Basque. Poster presented at the 28th annual CUNY Human Sentence Processing Conference, Los Angeles, CA.
- Chow, W.Y.** & Carreiras, M. (2015). Effects of verb transitivity on subject-verb agreement processing: ERP evidence from Basque. Poster presented at the 28th annual CUNY Human Sentence Processing Conference, Los Angeles, CA.
- Chow, W.Y.** & Kurenkov, I., Buffinton, J., Kraut, B., & Phillips, C. (2015). How predictions change over time: evidence from an online cloze paradigm. Poster presented at the 28th annual CUNY Human Sentence Processing Conference, Los Angeles, CA.
- Chow, W. Y.**, Smith, C., Lau, E., & Phillips, C. (2014). How do we compute predictions for an upcoming verb? Talk given at the 20th Architectures and Mechanisms for Language Processing Conference, Edinburgh.
- 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.
- 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.

KNOWLEDGE EXCHANGE / TEACHING EXPERIENCE

Taught modules and research seminars

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| <i>Experimental Linguistics Laboratory</i> , University College London [Core module in BSc Experimental Linguistics] Designed the curriculum; directed research projects; assessed students' | 2018 |
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coursework and oral presentations

Psycholinguistics: General Processing, University College London 2018
[Intermediate undergraduate module]

Designed the curriculum and assessments; delivered lectures; assessed students' essays

Language and Mind: An Introduction to Psycholinguistics, UCL Summer School Summer 2017
[Elective module for undergraduate students]

Designed the curriculum; taught daily lectures and led tutorials

Seminar in Neurolinguistics, University College London 2014 – present
[Research seminar in MSc Language Sciences] Term 2

Designed the curriculum; directed independent research projects; assessed students' essays and oral presentations

Foundations of Linguistics, University College London 2014 – present
[Core module in MA Linguistics] Term 1

Designed the curriculum and assessment methods; taught weekly lectures on the philosophical and theoretical foundations of Linguistics

Cognitive Psychology 2, University of the Basque Country Spring 2014
[Elective module in Master in Cognitive Neuroscience of Language]

Designed the curriculum and evaluation methods; taught lectures and led discussions on research on memory, learning, and their relations to language

Real-time Language Processing, University of Maryland Fall 2011
[Advanced seminar in BA Linguistics]

Designed the curriculum and assessment methods; taught lectures on research methods and current psycholinguistic research; directed independent research projects and presentations

Training workshops

ERP data processing and analysis workshop, BCBL 2014
Designed and led two half-day tutorials on ERP data processing for researchers

Programming, Data Visualization and Statistical Analysis in R, University of Maryland 2012
Designed and led daily tutorials in a two-week intensive training workshop for graduate students and language science researchers from different departments

EEG / MEG workshop, University of Maryland 2011
Designed and led a half-day introductory training workshop on EEG/MEG for students and researchers from Gallaudet University

EEG workshop, Maryland interdisciplinary WinterStorm Bootcamp 2010, 2011
Designed and led a half-day introductory training workshop on 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
Led a half-day introductory workshop on EEG/MEG for second language researchers

Student advising and research supervision

University College London

PhD student (Primary supervisor):

Elliot Murphy (Linguistics);

PhD students (Secondary supervisor):

Irene Symeonidou; Caterina Paolazzi (Linguistics; completed)

Alina Konradt (Linguistics); Vanessa Meitanis (Language and Cognition)

MA/MSc students:

Yana Arkhipova, Shasha Jin (2017-18); Esther Jesús Ortiz (2016-17); Di Chen, Tszching Kong (2015-16); Mayumi Baptist, Elliot Murphy, Yangzi Zhou (2014-15)

BA/BSc Long Essays (final year research project):

Ryan Law, Ingrid Johansen, Anastasia Sewell, Katherine Leung (2017-18); Sitong Li (2016-17); Rosanna Todd (2015-16)

Undergraduate and post-graduate research assistants :

Catinca Buciuileac, Claudia Cera, Zhengjie Situ (2017-18); Silvia Seminara, Alex Mephram, Ivan Au (2016-17); Ziren Zhou, Shuyan Wang (2015-16)

PhD viva examination:

Eva Poort (2018)

University of the Basque Country

Master's thesis committee member of Bojana Ristić (2014)

University of Maryland

PhD students in IGERT program:

Katya Solovyeva (*Second Language Acquisition*); Chuchu Li (*Human Dev. & Quant. Method.*)

Post-baccalaureate research fellows:

Julia Buffinton (2014-2016); Ilia Kurenkov (2013-2014); Glynis MacMillan (2012-2013); Cybelle Smith (2011-2012)

Undergraduate students:

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

PUBLIC ENGAGEMENT

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| Supervised 8-week international work experience of two undergraduate students from the Hong Kong Polytechnic University (Jiaxuan Li, Zihang Yang) | Summer 2018 |
| Supervised work experience of a sixth-form student (Sneha Sha) at UCL. Designed and led research-based learning activities for the student to learn about the study of Linguistics, language acquisition and language processing. | June 2015 |
| Invited speaker at the 13 th Science, Technology and Innovation Week in San Sebastián, Spain. Gave a lecture to introduce Language Science to local high school students. | 2013 |
| Organizer and workshop leader, Language Science High School Outreach, University of Maryland. Led workshops to introduce Language Science to local high school students. | 2010 – 2012 |
| Organizer, Hong Kong Intervarsity Psychology Festival. Organised school visits to introduce Psychological Science to local high school students and a Science Fair to introduce Developmental and Social Psychology to the general public. | 2004 – 2005 |

PROFESSIONAL ACTIVITIES

Ad hoc reviewer:

National Science Foundation

Architectures and Mechanisms for Language Processing (AMLaP) Conference

CUNY Human Sentence Processing Conference

Linguistics Association of Great Britain (LAGB)

Brain and Language

Brain Research

Cerebral Cortex

Cognition

Frontiers in Psychology

Journal of Applied Psycholinguistics
Journal of Experimental Psychology: Learning, Memory, & Cognition
Journal of Memory and Language
Journal of Semantics
Language
Language and Cognitive Processes
Lingua
Linguistic Inquiry
Neuropsychologia
PLOS One

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| Organizer, Student visit from Visual Language and Learning Science of Learning Center | 2011 |
| Organizer, IGERT WinterStorm (2-week training workshop for graduate researchers) | 2010, 2011 |
| 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 |

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); Spanish (conversational; Diploma in Spanish Level B1)