Jixing Li

NYUAD Saadiyat Campus, A2-008, Abu Dhabi, UAE

+971 561580376

jixingli@nyu.edu

http://jixing-li.github.io

jixing-li

EMPLOYMENT

2018 – present **Post-doctoral Fellow, New York University Abu Dhabi**
- Supervisor: Liina Pylkkänen

EDUCATION

2013 – 2018 **Ph.D., Linguistics, Cornell University**
- Thesis: *Neural mechanisms of pronoun resolution*.
- Supervisor: John Hale

2016 – 2018 **Graduate Minor, Cognitive Science, Cornell University**

2011 – 2012 **M.Sc., Experimental Psychology, Oxford University**
- Thesis *(with Distinction): Sonority, size and shape in sound symbolism*.
- Supervisor: Charles Spence

2009 – 2010 **M.A., Linguistics, University College London**
- Thesis *(with Distinction): "Root infinitives" in child Chinese*.
- Supervisor: Ad Neeleman

2005 – 2009 **B.A., English Language and Literature, Beijing Normal University**

2006 – 2009 **Double B.A., Chinese Language and Literature, Beijing Normal University**

GRANTS

2016 – 2017 **Jeffrey Sean Lehman Fund for Scholarly Exchange with China (Co-PI): $13,000**

Awarded for launching collaboration between the Jiangsu Key Lab of Linguistic Science and the Cornell Linguistics Department. Cornell University.

AWARDS & FELLOWSHIPS

2019	CNS2019 Postdoctoral Fellow Award Cognitive Neuroscience Society
2018	SNL2018 Travel Award Society for the Neurobiology of Language
2017	SNL2017 Travel Award Society for the Neurobiology of Language
Spring, 2017	Dean's Excellence Fellowship Cornell University
Fall, 2017	SAGE Fellowship Cornell University
2016	IPA Student Award for Speech Prosody 2016 International Phonetic Association
Summer, 2016	International Research Travel Grant Mario Einaudi Center for International Studies, Cornell University
Fall, 2015	C.V. Starr Fellowship East Asian Program, Cornell University
2013-2014	SAGE Fellowship Cornell University
2006-2009	Outstanding Student Scholarship Beijing Normal University

PEER-REVIEWED JOURNAL ARTICLES

under review	**Li, J.**, Bhattasali, S., Zhang, S., Franzluebbers, B., Luh, W., Spreng, R. N., Brennan, J., Yang, Y., Pallier, C., & Hale, J. (under review). Le Petit Prince: A multilingual fMRI corpus using ecological stimuli.
under review	**Li, J.**, Wang, S., Luh, W., Pylkkänen, L., Yang, Y., & Hale, J. (under review). Cortical processing of reference in language revealed by computational models.
under review	Zhang, S., **Li, J.**, Yang, Y., & Hale, J. (under review). Decoding the silence: Neural bases of zero pronoun resolution in Chinese.
under review	Dunagan, D., Zhang, S., **Li, J.**, Bhattasali, S., Pallier, C., Whitman, J., Yang, Y., & Hale, J. (under review). Neural correlates of semantic number: A cross-linguistic investigation.
in press	Hale, J., Campanelli, L., **Li, J.**, Pallier, C., & Brennan, J. (under review). Neuro-computational models of language processing.
2021	**Li, J.**, & Pylkkänen, L. (2021). Disentangling semantic composition and semantic association in the left temporal lobe. *Journal of Neuroscience, 41*: 6526-6538.

2017 Klemens, K., **Li, J.**, Maggioni, E., & Spence, C. (2017). What drives sound symbolism? Different acoustic cues underlie sound-size and sound-shape mappings. *Scientific Reports*, *7*: 5562.

PEER-REVIEWED CONFERENCE PAPERS

2018 **Li, J.**, Fabre, M., Luh, W. & Hale, J. (2018). Modeling brain activity associated with pronoun resolution in English and Chinese. *Proceedings of the First Workshop on Computational Models of Reference, Anaphora and Coreference (CRAC). 87-96*.

2018 **Li, J.**, Fabre, M., Luh, W. & Hale, J. (2018). The role of syntax during pronoun resolution: Evidence from fMRI. *Proceedings of the Eight Workshop on Cognitive Aspects of Computational Language Learning and Processing (CogACLL). 56-64*.

2016 **Li, J.**, Brennan, J., Mahar, A. & Hale, J. (2016). Temporal lobes as combinatory engines for both form and meaning. *Proceedings of the Workshop on Computational Linguistics for Linguistic Complexity (CL4LC). 186-191*.

2016 **Li, J.**, & Tilsen, S. (2016). Early prosodic manifestations of disfluency. *Proceedings of Speech Prosody. 1235-1239*.

2015 **Li, J.**, & Tilsen, S. (2015). Phonetic evidence for two types of disfluency. *Proceedings of ICPhS. 668*.

BOOK CHAPTERS

2019 **Li, J.**, & Hale, J. (2019). Grammatical predictors for fMRI timecourses. Stabler, E., & Berwick, R. (Eds.). *Minimalist Parsing*. Oxford University Press.

MANUSCRIPTS

in prep. **Li, J.**, Wang, S., & Pylkkänen, L. (in prep.). Modeling the neural composition function involved in semantic combination.

INVITED TALKS & WORKSHOPS

2021 **Li., J.** (2021). Workshop on grammatical predictors for fMRI studies. *Invited workshop for the The Leipzig Lectures on Language End-of-Year Symposium*, Oct 20-21, 2021.

2021 **Li., J.** (2021). Cortical processing of pronoun resolution revealed by computational models. *Invited presentation for the SNL Symposium: What can NLP systems teach us about language in the brain?*, Oct 8, 2021.

2021 **Li., J.** (2021). Modeling pronoun resolution in the brain. *Invited talk at Workshop on Computational Neurolinguistics (WCNL2021), Nanjing Normal University*, Aug 21, 2021.

2021 **Li., J.** (2021). Referential processing in the brain. *Invited talk for the Language in Interaction Consortium, Donders Center / Max Plank Institute, the Netherlands*, June 21, 2021.

2021 **Li., J.** & Hale, J. (2021). Neuro-computational models of language processing: The case of reference and coreference. *Invited talk for the Leipzig Lectures on Language, Max Plunk Institute for Human Cognitive and Brain Sciences*, May 26, 2021.

2021 **Li., J.** (2021). Cortical processing of reference in language revealed by computational models. *Invited presentation at the Neurolinguistics Lab, University of Maryland*, April 27, 2021.

CONFERENCE PRESENTATIONS

2021 **Li, J.**, Luh, W., Pylkkänen, L., Yang, Y., & Hale, J. (2021). Modeling pronoun resolution in the brain. Poster presented virtually at the 3rd Chinese Conference of Computational and Cognitive Neuroscience (*CCCN*), June 11-13, 2021. *CCCN2021 Best Poster Award*.

2021 **Li, J.**, Luh, W., Pylkkänen, L., Yang, Y., & Hale, J. (2021). Modeling pronoun resolution in the brain. Data Blitz presented virtually at the Cognitive Neuroscience Society (*CNS*), March 13-16, 2021.

2021 Zhang, S., **Li, J.**, & Hale, J. (2021). Neural mechanisms of zero pronoun resolution in Chinese. Poster presented virtually at the Cognitive Neuroscience Society (*CNS*), March 13-16, 2021.

2021 **Li, J.**, Luh, W., Pylkkänen, L., Yang, Y., & Hale, J. (2021). Modeling pronoun resolution in the brain. Poster presnented virtually the Society for Neuroscience (*SfN*): Global Connectome, January 11-13, 2021.

2020 Donald, D., Zhang, S., **Li, J.**, Pallier, C., Whitman, J. & Hale, J. (2020). Grammatical number in French and Chinese brains. Poster presented virtually at the Society for the Neurobiology of Language (*SNL*), October 21-25, 2020.

2020 **Li, J.**, & Pylkkänen, L. (2020). Disentangling semantic association from semantic composition in the LATL. Poster presented virtually at the 33rd Annual CUNY Conference on Human Sentence Processing (*CUNY*), March 19-21, 2020.

2019 **Li, J.**, & Pylkkänen, L. (2019). Disentangling semantic association from semantic composition in the LATL. Poster presented at the 11th Annual Society for the Neurobiology of Language Conference (*SNL*), Helsinki, Finland, August 20-22, 2019.

2019 Zhang, S., **Li, J.**, Luh, W., & Hale, J. (2019). Human brain networks for semantic roles: An fMRI study. Poster presented at the 11th Annual Society for the Neurobiology of Language Conference (*SNL*), Helsinki, Finland, August 20-22, 2019.

2019 **Li, J.**, & Hale, J. (2019). Tracking the subprocesses of pronoun resolution during naturalistic comprehension. Poster presented at the Cognitive Neuroscience Society (*CNS*), San Francisco, USA, March 23-26, 2019. *CNS2019 Postdoctoral Fellow Award*.

2018 **Li, J.**, Fabre, M., Luh, W., & Hale, J. (2018). fMRI evidence for binding theory during anaphora resolution in naturalistic listening. Poster presented at the Society for the Neurobiology of Language (*SNL*), Quebec, Canada, August 16-18, 2018.

2018 **Li, J.**, Fabre, M., Luh, W., & Hale, J. (2018). Neural mechanisms of pronoun resolution in Chinese during naturalistic listening. Poster presented at Architectures and Mechanisms of Language Processing (*AMLaP*), Berlin, Germany, September 6-8, 2018.

2018 **Li, J.**, Fabre, M., Luh, W., & Hale, J. (2018). fMRI evidence for binding theory during anaphora resolution in naturalistic listening. Poster presented at the Society for the Neurobiology of Language (*SNL*), Quebec, Canada, August 16-18, 2018. *SNL2018 Travel Award*.

2018 **Li, J.**, Fabre, M., Luh, W., & Hale, J. (2018). The role of syntax during pronoun resolution: Evidence from fMRI. Paper presented at the ACL Workshop on Cognitive Aspects of Computational Language Learning and Processing (*CogACLL*), Melbourne, Australia, July 19, 2018.

2018 **Li, J.**, Fabre, M., Luh, W., & Hale, J. (2018). Modeling brain activity associated with pronoun resolution in English and Chinese. Paper presented at the NAACL Workshop on Computational Models of Reference, Anaphora, and Coreference (*CRAC*), New Orleans, USA, June 9, 2018.

2017 **Li, J.**, Pallier, C., Yang, Y., & Hale, J. (2017). Neural correlates of semantic coherence in English and Chinese speakers during natural language comprehension. Poster presented at the Society for the Neurobiology of Language (*SNL*), Baltimore, USA, November 8-10, 2017. *SNL2017 Travel Award*.

2017 Hale, J., Bhattasali, S., Brennan, J., **Li, J.**, Luh, W., & Pallier, C. (2017). Localizing structure-building and memory retrieval in naturalistic language comprehension. Poster presented at the Society for the Neurobiology of Language (*SNL*), Baltimore, USA, November 8-10, 2017.

2016 **Li, J.**, Hale, J., Mahar, A., & Brennan, J. (2016). Temporal lobes as combinatory engines for both form and meaning. Poster presented at the Workshop on Computational Linguistics for Linguistic Complexity (*CL4LC, COLING*), Osaka, Japan, December 11, 2016.

2016 **Li, J.**, & Tilsen, S. (2016). Early prosodic manifestations of disfluency. Paper presented at Speech Prosody, Boston, May 31-June 3, 2016. *IPA Student Award*.

2016 **Li, J.**, & Tilsen, S., Phonetic evidence for two types of disfluency. Paper presented at the Linguistic Society of America (*LSA*), Washington, USA, January 7-10, 2016.

2015 **Li, J.**, & Tilsen, S., (2015). Phonetic evidence for two types of disfluency. Poster presented at the 18th International Congress of Phonetic Sciences (*ICPhS*), Glasgow, UK, August 10-14, 2015.

2013 **Li, J.**, Klemens, K., & Spence, C. (2013). Sonority, shape and size in sound symbolism. Poster presented at the Linguistic Society of America (*LSA*), Boston, USA, January 3-6, 2013.

2012 **Li, J.** (2012). "Root infinitives" in child Chinese. Paper presented at the 1st Workshop on Syntax and Semantics in China, Nanjing, China, June 16-17, 2012.

TEACHING

Lead TA:
July 5-July 23, 2021

Computational Neuroscience
Neuromatch Academy

TA:
Fall, 2016

PSYCH 4360: Language Development
Department of Human Development, Cornell University

Instructor:
Spring, 2016

CHIN 2202: Intermediate Mandarin II
Department of Asian Studies, Cornell University

Instructor: Spring, 2015	CHIN 2202: Intermediate Mandarin II Department of Asian Studies, Cornell University
Instructor: Fall, 2014	CHIN 2202: Intermediate Mandarin I Department of Asian Studies, Cornell University

SERVICE & MEMBERSHIP

Reviewer	Nature Machine Intelligence Journal of Cogntive Neuroscience Journal of Experimental Psychology: Learning, Memory, and Cognition Visual Cognition Annual Meeting of the Cognitive Science Society (CogSci)
Member	Society for Neuroscience Cognitive Neuroscience Society Society for the Neurobiology of Language Association for Computational Linguistics Linguistic Society of America International Phonetic Association

NATURAL LANGUAGES

Mandarin Chinese (native), English

PROGRAMMING LANGUAGES

Python, Matlab, R, Shell Scripting