

PING LI

Contact and Personal Information:

Department of Chinese and Bilingual Studies
Faculty of Humanities
The Hong Kong Polytechnic University
Hung Hom, Kowloon, Hong Kong, China
Tel: (852) 3400-8210 (office)
Fax: (852) 2363-8955
E-mail: pi2li@polyu.edu.hk
<http://blclab.org>

Education and Professional Preparation

- 1992** Post-doctoral fellow
McDonnell-Pew Center for Cognitive Neuroscience, San Diego, USA
- 1990-1992** Post-doctoral fellow
Center for Research in Language, University of California, San Diego, USA
- 1990** Ph.D. in Psycholinguistics, University of Leiden, The Netherlands
(graduate training at the Max Planck Institute for Psycholinguistics)
- 1986** M.A. in Theoretical Linguistics, Peking University, China
- 1983** B.A. in Chinese Linguistics, Peking University, China

Employment History

- 2019-present** Chair Professor of Neurolinguistics & Bilingual Studies
Dean, Faculty of Humanities (2019-present)
Director, Laboratory for Brain, Language, and Computation
Assoc. Director, University Research Facility in Behavioral & Systems Neuroscience
Hong Kong Polytechnic University, Hung Hom, Hong Kong SAR, China
- 2008-2019** Professor of Psychology, Linguistics, & Information Sciences & Technology
Pennsylvania State University, Pennsylvania, USA
Director, Laboratory for Brain, Language, and Computation
Associate Director, Institute of CyberScience (2014-2019)
Co-Hire, Institute of CyberScience (2018-2019)
Co-Chair, Inter-College Graduate Program in Neuroscience (2010-2015)

Co-Director, Center for Brain, Behavior, & Cognition (2012-present)
Department of Psychology (primary appointment, with tenure)
Program in Neuroscience (graduate faculty appointment)
Program in Linguistics (affiliate faculty appointment)
Program in Asian Studies (affiliate faculty appointment)
College of Information Sciences and Technology (affiliate faculty appointment)

2015-2017 Visiting Chair Professor, School of Linguistic Science, Jiangsu Normal University, Xuzhou, China

2015 (July-Aug) Visiting Professor, Summer Linguistic Institute (Linguistic Society of America), University of Chicago

2014 (Apr-Aug) External Expert, Cognitive Neuroscience Program, National Science Foundation

2014-2015 Visiting Chair Professor, College of Education, National Taiwan Normal University, Taipei, Taiwan

2016-2018 Visiting Professor, Dept. of Biomedical Engineering, College of Medicine, Shenzhen University, Shenzhen, China

2013-2018 Visiting Professor, School of Psychology, South China Normal University, Guangzhou, China

2012-2014 Visiting Yunshan Chair Professor, National Key Research Center for Applied Linguistics, Guangdong University of Foreign Studies, China

2008-2009 Director, Program in Cognitive Neuroscience (*CogNeuro*), National Science Foundation, USA

2007-2008 Director, Program in Perception, Action and Cognition (*PAC*), National Science Foundation, USA

2005-2010 Visiting Professor
State Key Laboratory for Cognitive Neuroscience and Learning and
School of Psychology, Beijing Normal University, Beijing, China

2003 Visiting Associate Professor, State Key Laboratory for Brain and Cognitive Neuroscience, University of Hong Kong, Hong Kong

2002 Visiting Associate Professor, Division of Speech and Hearing Sciences, Faculty of Education, University of Hong Kong, Hong Kong

2006-2008 Professor and Director, Cognitive Science Laboratory
Dept. of Psychology, University of Richmond, Richmond, VA, USA

2000-2006 Associate Professor
Dept. of Psychology, University of Richmond, Richmond, VA, USA

1996-2000 Assistant Professor
Dept. of Psychology, University of Richmond, Richmond, VA, USA

1992-1996 Assistant Professor
Dept. of Psychology, The Chinese University of Hong Kong, Hong Kong

Professional Recognitions

2020- *Fellow*, Hong Kong Academy of Humanities

2016- *Fellow*, Psychonomic Society

2015-2017 *Changjiang Scholar Chair Professor* (长江学者讲座教授), Ministry of Education, China (residence at Jiangsu Normal University, Xuzhou), China

2015-2016 *Distinguished Foreign Professor*, Guangdong Province (广东省海外名师) (residence at South China Normal University, Guangzhou), China

2013, 2014 *High-end Foreign Expert* (高端外国专家), State Administration of Foreign Experts Affairs (award through Guangdong University of Foreign Studies), China

Awards and Fellowships

2017 *Distinguished Social Science Research Award (First Prize)*, Guangdong Province, China (Yang, Gates, Molenaar & Li, 2015: Neural changes underlying successful second language word learning; “广东省哲学社会科学优秀成果奖” 一等奖)

2015 *Distinguished Social Science Research Award (Second Prize)*, Guangdong Province, China (Yang & Li, 2012: Brain networks of explicit and implicit learning; “广东省哲学社会科学优秀成果奖” 二等奖)

2011 *ICS Faculty Fellow*, Institute of CyberScience, Pennsylvania State University

2008 *Director's Award for Collaborative Integration*, US National Science Foundation

2007 *Computational Modeling Prize (1st Place, Language)*, 29th Annual Meeting of the Cognitive Science Society

2004 *Faculty of the Year*, Psi Chi, National Honors Society in Psychology, University of Richmond

1995, 98, 99, 06 Visiting research fellowships from the Max Planck Institute for

Psycholinguistics, Nijmegen, The Netherlands

1990-1992 Long-term Research Fellowship from the *International Human Frontier Science Program* (HFSP)

Journal Editorships

Senior Editor: *Cognitive Science*, John Wiley & Sons, Inc. (2021-)

Editor-in-Chief: *Brain and Language*, Elsevier Science Publisher (2019-)

Editor-in-Chief: *Journal of Neurolinguistics*, Elsevier Science Publisher (2014-2018)

Editor: *Bilingualism: Language and Cognition*, Cambridge University Press (2003-13)

Associate Editor: *Frontiers in Psychology: Language Sciences* (2011-)

Associate Editor: *Human Behaviour & Brain*, International Society of Neuroscience (2020-)

Book Series Editorships

Handbook of East Asian Psycholinguistics, Cambridge University Press (2005-2009)
(General Editor: Ping Li; Co-Editors: Li-Hai Tan, Elizabeth Bates, Ovid Tzeng,
Mineharu Nakayama, Reiko Mazuka, Yasuhiro Shirai,
Chungmin Lee, Greg Simpson, Youngjin Kim)

Chinese Language Learning Sciences, Springer (2015-)
(Co-Editors: Yao-Ting Sung, Ping Li, Chin-Chuan Cheng, Kuo-En Chang)

Professional Memberships (past and present)

Cognitive Science Society
Cognitive Neuroscience Society
American Psychological Society
Linguistic Society of America
Linguistic Society of Hong Kong
Society for Text and Discourse
Society for Computers in Psychology
Society for the Neurobiology of Language
International Neural Network Society
Organization for Human Brain Mapping
Behavioral and Brain Sciences Associate
American Association of University Professors
International Association for the Study of Child Language
Psi Chi, the National Honors Society in Psychology (lifetime member)
American Association for the Advancement of Science (AAAS)

Professional Service

Professional Organization

President, *Society for Computers in Psychology* (2011-2012)

Member, Steering Committee, *Society for Computers in Psychology* (2007-2009)

Advisory Board

Member, Advisory Board, *Learning Research & Development Center (LRDC)*,
University of Pittsburgh, 2018-.

National Science Foundation College of Reviewers, 2013-2015

Scientific Advisor, 2012-2015, *Brain and Language Laboratory*
Guangdong University of Foreign Studies, China

Member, Advisory Board, 2015-2020, *National Key Laboratory for Cyber Psychology and Behavior*, Central China Normal University, China

Member, Editorial Advisory Board, 2014-2017, Book Series on *Bilingual Processing and Acquisition*, John Benjamins Publishing, Inc.

Member, Advisory Board, 2011-20, *Center for Chinese Language Research and Technology*
National Taiwan Normal University, Taipei, Taiwan

Member, Advisory Board, 2009-2014, *Pittsburgh Science of Learning Center*
(PSLC, funded by the National Science Foundation)
University of Pittsburgh and Carnegie Mellon University

Member, Advisory Panel, *National Science Foundation*, for the following programs (2001-):
Linguistics (LING), Major Research Instrumentation (MRI),
Perception, Action, and Cognition (PAC), Robust Intelligence (RI)
Science of Learning Centers (SLC), Integrative Neural & Cognitive Systems (NCS)

Member, Study Section, Language and Communication (LCOM),
Center for Scientific Review, *National Institutes of Health* (2004-2008)

Editorial Board

Journal of Child Language, Cambridge University Press (2015-2020)

Bilingualism: Language and Cognition, Cambridge University Press (1998-)

Journal of Cognitive Science, Seoul National University Press (2002-present)

Journal of Neurolinguistics, Elsevier Science Publisher (2006-2010)

Modern Foreign Language, Guangdong University of Foreign Studies (2008-2014)

Lingua Sinica, The Commercial Press (商务印书馆) & Walter de Gruyter (2012-2016)

Bulletin of Educational Psychology (教育心理學報), Taiwan (2016-present)

Board of Consulting Editors (Member)

Linguistics: An Interdisciplinary Journal of Language Sciences, Mouton de Gruyter (1997-2015)

International Review of Applied Linguistics in Language Teaching, Mouton de Gruyter (2001-2010)

Reviewer (list of select journals)

Applied Linguistics; Applied Psycholinguistics; Artificial Intelligence in Medicine; Behavioral and Brain Sciences; Behavior Research Methods, Instruments, and Computers; Bilingualism: Language and Cognition; Bilingual Research Journal; Brain and Language; Brain Research; Cerebral Cortex; Child Development; Cognitive Science; Cognition; Connection Science; Developmental Psychology; Developmental Cognitive Neuroscience; Developmental Science; Educational Technology Research & Development; First Language; Human Brain Mapping; International Journal of Behavioral Development; International Journal of Bilingualism; Journal of Child Language; Journal of Cognitive Neuroscience; Journal of Cognitive Science; Journal of East Asian Linguistics; Journal of Experimental Child Psychology; Journal of Memory and Language; Journal of Neurolinguistics; Journal of Neuroscience; Language and Cognitive Processes; Language Learning; Linguistics; Memory and Cognition; Nature Communications; Neural Networks; NeuroImage; Neuroscience Letters; PLoS One; Psychological Bulletin; Psychological Review; Psychological Science; Psychonomic Bulletin and Review; Quarterly Journal of Experimental Psychology; Scientific Studies of Reading; Studies in Second Language Acquisition

Conference organization and other synergistic activities

Co-Organizer (with Hyeonjeong Jeong), *Symposium on Neuroscience of Second Language Acquisition: Opportunities and Challenges*, American Association for Applied Linguistics (AAAL) 2021 Virtual Conference, March, 2021

Co-Organizer (with Patricia Brooks, Vera Kempe, & Roman Taraban), *Symposium on CHILDES, TalkBank, Competition, Emergentism: Honoring the Impact of Brian MacWhinney on Language Research*, Pittsburgh, June, 2019

Co-Organizer (with Laurie Cutting) & Chair, *Symposium on Neuroimaging Studies of Text Comprehension, Annual Meeting of the Society for Text & Discourse*, Brighton, U.K., July, 2018

Member, Organizing Committee and Co-Chair, Shenzhen Forum on Brain Science, Shenzhen Institute of Neuroscience, Shenzhen, China, December, 2016

Member, Organizing Committee, 4th International Conference on Advanced Learning Sciences (ICALS-2016), South China Normal University, June, 2016

Co-Organizer (with Jubin Abutalebi), Workshop on the Neurobiology of Bilingualism, *International Symposium on Bilingualism (ISB9)*, Singapore, June, 2013

Organizer, 42nd Annual Conference of the Society for Computers in Psychology (SCiP 2012), Minneapolis, November, 2012

Organizer, Symposium on Innovative Technologies and the Science of Learning: Language Acquisition by Children and Adults. Presidential Symposium of the 42nd Annual Conference of the Society for Computers in Psychology (SCiP 2012), Minneapolis, November, 2012

International Advisory Committee, *Fourteenth International Conference on Cognitive Processing of East Asian Languages & Symposium on Brain and Communication*, Nagoya, October, 2012

Advisory Committee, *The Inaugural Conference of the Chinese Association of Psycholinguistics*, Guangzhou, December, 2011

Organizer, *Bridging L1 and L2 acquisition: Symposium in honor of Brian MacWhinney, 12th International Congress for the Study of Child Language*, Montreal, Canada, July, 2011

Co-Organizer, *Workshop on Computational Modeling of Bilingualism: Integrating Acquisition and Processing*, the 8th International Symposium on Bilingualism, Oslo, Norway, June, 2011

Co-Organizer, *Workshop on Dynamical Lexical Interaction in L1 and L2*, the 8th International Symposium on Bilingualism, Oslo, Norway, June, 2011

Co-Organizer, *Workshop on Smart Health and Wellbeing* (part of Penn State-Peking University Multi-Workshops, PSU-PKU joint university-level collaboration ceremony), Peking University, Beijing, China, May, 2011

Program Committee, WSOM 2011 (*8th Workshop on Self-Organizing Maps*), Espoo, Finland, June, 2011

International Advisory Committee, *Thirteenth International Conference on Cognitive Processing of East Asian Languages*, Beijing, October, 2009

Co-organizer, Symposium on the Cognitive Science of Bilingualism, *Thirty-first Annual Conference of the Cognitive Science Society*, Amsterdam, July, 2009.

Program Committee, ICEAL2 (*Second International Conference on East Asian Linguistics*), Vancouver, November, 2008

Convener and organizer, *Rumelhart Symposium: Language as a Dynamical System* (Symposium in honor of Jeff Elman), CogSci 2007 (*Twenty-ninth Annual Meeting of Cognitive Science Society*), Nashville, August, 2007 (Subsequent coordinator of the Rumelhart Prize Special Issue honoring Jeff Elman in *Cognitive Science*, 33, 2009).

Program Committee (role: paper review coordination, session chair), CogSci 2007 (*Twenty-ninth Annual Meeting of the Cognitive Science Society*), Nashville, August, 2007

Program Committee, *International Conference on Processing Head-final Structures*, Rochester Institute of Technology, September, 2007

Program Committee (role: paper review coordination, session chair, and modeling prize selection committee), CogSci 2006 (*Twenty-eighth Annual Meeting of the Cognitive Science Society*), Vancouver, July, 2006

Convener and organizer, Symposium: *Computational Modeling of Bilingualism*, CogSci 2006 (*Twenty-eighth Annual Meeting of the Cognitive Science Society*), Vancouver, July, 2006

Technical Program Committee, *Workshop on Self-Organization, Learning, and Language, Second International Conference on Neural Networks and Brain*, Beijing, China, October, 2005

Organizing Committee, *International Symposium on Bilingualism: Linguistic*,

Psycholinguistic, and Sociolinguistic Perspectives, University of Hong Kong, Hong Kong SAR, China, June, 2005
Organizing Committee, *The Second International Symposium on Cognitive Neuroscience*, University of Hong Kong, Hong Kong SAR, China, August, 2003
International Organizing Committee, *Tenth International Conference on Cognitive Processing of Chinese and Related Asian Languages*, Taipei, Taiwan, December, 2002
Convener and co-organizer, *Symposium on New Models of Connectionist Language Acquisition*, Annual Conference of Cognitive Science Society, Fairfax, August, 2002
Convener and principal organizer, *Workshop on New Frontiers in Chinese Psycholinguistics*, University of California, Santa Barbara, July, 2001
Coordinator, *Research Network on East Asian Psycholinguistics* (Chinese, Japanese, Korean) (<http://cogsci.richmond.edu/psychling.php>)

Research Grants

- 2021-2023** PI, Hong Kong Polytechnic University Teaching Development Grants: (HK\$1,112,631) “The neural basis of multimedia learning: Social, cognitive, and affective features of the instructor image for effective online teaching” (Co-PI: David Shum, Faculty of Health and Social Science, Hong Kong Polytechnic University)
- 2021-2023** Co-I, Natural Science Foundation of China/Hong Kong Research Grants Council (NSFC/RGC) Joint Research Scheme: (HK\$1,117,000) “Virtual-reality assessment of social cognition impairment and its related neural mechanism in schizophrenia patients and at-risk individuals (Hong Kong PI: David Shum; Beijing PI: Raymond Chan)
- 2021-2023** Co-I, Hong Kong Polytechnic University Virtual Teaching and Learning (VTL) Grant: (HK\$1,500,000) “Hybrid teaching” (PI: Henry Chan)
- 2020-2023** PI, Hong Kong Research Grant Council (GRF-RGC): (HK\$631,500) “Second Language Learning in VR: The Perception-Action Connection” (Co-PIs: Hyeonjeong Jeong, Tohoku University & Alexander Klippel, Penn State University)
- 2018-2020** Co-PI, Swedish Research Council: (Swedish Krona 3,000, 000) “Language and Brain Training in a Virtual World” (PI: Johan Martensson, Lund University)
- 2018-2019** Co-PI, University Strategic Initiative Grant: (\$200,000) “Digital innovation through immersive technologies” (PI: Alexander Klippel, Penn State University)
- 2017-2022** Co-PI, Guangdong Pearl River Talents Plan Innovative & Entrepreneurial Team Grant Scheme (PI: Li-Hai Tan; #2016ZT06S220): (¥20,000,000)
- 2016-2018** PI, National Science Foundation (#BCS-1633817): (\$100,000)
Supplement to “NCS-FO (part of the BRAIN Initiative program): Integrative Neural Approaches to Understanding Science Text Comprehension” (Co-PI: Roy Clariana; Bonnie Meyer, Penn State University)
- 2015-2019** PI, National Science Foundation (#BCS-1533625): (\$994,878)
“NCS-FO (part of the BRAIN Initiative program): Integrative Neural Approaches to Understanding Science Text Comprehension” (Co-PI: Roy Clariana; Bonnie Meyer, Penn State University)
- 2015-2016** PI, Social Science Research Institute, Penn State (SSRI-Level II): (\$13,326)

- “*Brain3M*: Learning about Brain, Behavior and Cognition with Multimodal Methods, Mobile Devices, and 3D Printed Models” (Co-PI: Victoria Braithwaite, Penn State University)
- 2014-2016** Co-PI, National Science Foundation (#BCS-1349110): (\$494,595)
 “Lexical and sentence processing in novice L2 learners: Psycholinguistic and neurocognitive investigations” (PI: Janet van Hell, Pennsylvania State University)
- 2013-2014** PI, National Science Foundation (#BCS-1338946): (\$59,023)
 “Neurocognitive mechanisms of second language learning: Role of learning context and executive functions” (Co-PI: Jubin Abutalebi, University Vita-Salute San Raffaele)
- 2013-2015** co-PI, National Research Council, Taiwan: (NT10,000,000 per annum)
 “Advanced Joint Center for the Study of Learning Sciences” (PI: Yao-Ting Sung, National Taiwan Normal University, co-PI, David Monk, Ping Li, Penn State)
- 2012-2015** co-PI, National Science Foundation (#BCS-1157220): (\$310,633)
 “A high precision method to estimate effective connectivity networks at the group and individual levels” (PI: Peter Molenaar, Penn State)
- 2011-2014** PI, National Science Foundation (#BCS-1057855): (\$482,987)
 “Collaborative Research: Cross-Language Lexical Interaction” (multi-site PIs: Barbara Malt, Lehigh University and Ping Li, Penn State)
- 2011-2012** PI, Institute for CyberScience (ICS) Faculty Fellow Program: (\$25,000)
 “BrainSeer: A database for functional brain imaging based on automatic information retrieval” (co-PI: Lee Giles)
- 2011-2012** PI, the Confucius Institute, Pennsylvania State University: (\$8,000)
 “Tai Chi protective effects on brain executive functions using fMRI”
- 2010-2015** co-PI, National Science Foundation (#OISE-0968369): (\$2,800,000)
 “PIRE: Bilingualism, mind, and brain: An interdisciplinary program in cognitive psychology, linguistics, and cognitive neuroscience” (PI: Judith Kroll)
- 2008-2011** co-PI, Research Grants Council, the Hong Kong Government (HK\$1,000,000)
 “From lexicon to syntax in childhood bilingualism” (PI: Virginia Yip)
- 2009-2011** co-PI, Ministry of Education of China (¥200,000)
 “A computational study of vocabulary acquisition by second language learners of Chinese” (PI: Hongbing Xing)
- 2007-2010** PI, National Science Foundation (#BCS-0642586; \$323,883)
 “Computational developmental bilingualism”
- 2006-2011** co-PI, Dept. of Education & the Bureau of Foreign Experts, China (¥6,000,000)
 “Mechanisms of object recognition: Evolution, genetics, and cognitive development” (co-PIs: George Sperling, Elizabeth Loftus, Nancy Kanwisher, Zhong-Lin Lu, Chuansheng Cheng, Xiaoping Hu, Ping Li, Zhaoping Li, Doris Tsao, Winrich Freiwald)
- 2006-2007** PI, State Key Lab of Cognitive Neuroscience Open Project, China (¥30,000)
 “A computational model of vocabulary development and language acquisition” (co-PI: Hua Shu)
- 2005-2007** co-PI, Research Grants Council, the Hong Kong Government (HK\$676,272)
 “Aspectual asymmetries in the human mind: Evidence from brain imaging analyses” (PI: Foong Ha Yap)
- 2003-2006** PI, National Science Foundation (#BCS-0131829): (\$373,063)

- “Self-organization and the acquisition, representation, and processing of language”
2003-2005 co-PI, Research Grants Council, the Hong Kong Government (HK\$1,003,000)
 “Age of acquisition and language processing: Cognitive and brain-mapping studies”
 (PI: Li Hai Tan)
- 2003-2005** co-PI, National Natural Science Foundation of China (¥240,000)
 “Sentence processing in Chinese and its neural basis” (PI: Yaxu Zhang)
- 2000-2002** PI, National Science Foundation (#BCS-9975249): (\$173,379)
 “A self-organizing neural network model of language acquisition”
- 2001** PI, National Science Foundation (#BCS-0091607):
 Conference Grant for “New Frontiers in Chinese Psycholinguistics” (\$25,050)
- 2001** co-PI, National Science Foundation (#CCLI-0126922):
 “Shared eye-tracking laboratory for undergraduate research and education in
 psychology” (\$13,619) (PI: Elizabeth Crawford)
- 2001** President’s Discretionary Fund, University of Richmond:
 Post-Conference Work-Session on Handbooks of Chinese, Japanese, and Korean
 Psycholinguistics (\$10,000)
- 2000** PI, National Science Foundation (#BCS-9975249):
 REU supplement, Research Experience for Undergraduate Students (\$4,848)
- 1999** PI, Wang Kuan Cheng Science Foundation: Research grant
 for collaboration with the Chinese Academy of Sciences, Beijing, China (\$1,750)
- 1997-1999** University of Richmond: Faculty Research Grants (\$8,489)
- 1997** University of Richmond: Innovative Software Grant (\$1,209)
- 1996** University of Richmond: Faculty Research Initiation Grant (\$60,000)
- 1992-1996** Chinese University of Hong Kong: Direct Research Grant (HK\$103,468)
- 1994** Chinese University of Hong Kong: Faculty Summer Research Grant (HK\$42,280)
- 1993-1994** United Board For Christian Higher Education In Asia:
 Faculty Research Grant at Chinese University of Hong Kong (HK\$5,000)

Sponsored Student Grants (selected)

Nokrane Ahamadi, 2018, Millennium Scholars Program summer fellowship, Penn State
 Angela Grant, 2016, Psychonomic Society/Women in Cognitive Science Travel Award
 Jennifer Legault, 2016, Huck Institute Outstanding Student Leadership Award, Penn State
 Angela Grant, 2016, PSU RGSO (Research & Graduate Studies Office) Dissertation Award
 Angela Grant, 2016, Raymond Lombra Graduate Student Award for Excellence, PSU
 Angela Grant, 2015, SLEIC Dissertation Award, Penn State
 Benjamin Schloss, 2015, 2016, PSU Foreign Language and Area Studies (FLAS) grant
 Kyung Kim, 2015, Center for Online Innovation in Learning (COIL) grant, Penn State
 Jennifer Legault, 2014, J. Lloyd Huck Dissertation Research Award, Penn State
 Benjamin Zinszer, 2013, Graduate Fellowship, NASA Pennsylvania Space Grant Consortium
 Sebastian Rolotti, 2013, Multimodal Neuroimaging Training Program, Carnegie Mellon U
 Benjamin Zinszer, 2013, Multimodal Neuroimaging Training Program, Carnegie Mellon U
 Fan Zhang, 2012, Birnbaum Scholarship Award for the SCiP 2012 conference
 Sebastian Rolotti, 2012, Birnbaum Scholarship Award for the SCiP 2012 conference
 Sebastian Rolotti, 2012, SC12 *HPC for Undergraduates Program* Travel Award
 Sebastian Rolotti, 2012, Ivy Plus STEM Symposium Travel Award

Sebastian Rolotti, 2011-12, McNair Scholar, Post-Baccalaureate Achievement Program
 Benjamin Zinszer, 2012, East Asian & Pacific Summer Institutes award, NSF
 Benjamin Zinszer, 2012, Confucius Institute scholarship, Penn State University
 Thomas Holt, 2012, Summer Discovery Grant, Penn State University
 Patrick Clark, 2011, PIRE Undergraduate Scholar Award, Penn State University
 Benjamin Zinszer, 2011, PIRE Graduate Scholar Award, Penn State University
 Benjamin Zinszer, 2010, Robert J. Glushko & Pamela Samuelson Foundation travel award
 Laura Quinn, 2010, Penn State President's Fund for Undergraduate Research
 Benjamin Zinszer, 2009-2010, Penn State University Graduate Fellowship (UGF)
 Sau-Chin Chen, 2008-2009, Taiwan National Science Council Postdoctoral Fellowship
 Jackie Adair, 2002, UR President's Discretionary Fund (summer stipend)
 Collin Raymond, 2000, NSF "Research Experience for Undergraduates" (REU) grant
 Benjamin Sullivan, 1998, UR Undergraduate Research Grant & Dickinson's Award

Administrative Experience and Committee Work

University (selected)

Chair, Faculty Board (FH), Hong Kong PolyU, 2019-
 Chair, Faculty Management Committee, Hong Kong PolyU, 2019-
 Chair, Panel on Large Equipment Grants, Hong Kong PolyU, 2021
 Member, Areas of Excellence (AoE) Committee, Hong Kong PolyU, 2020-
 Member, Academic Planning and Regulations Committee, Hong Kong PolyU, 2019-
 Member, Academic Council, Hong Kong PolyU, 2019-
 Member, Global Engagement Committee, Hong Kong PolyU, 2020-
 Member, Council of Confucius Institut of Hong Kong, Hong Kong PolyU, 2020-
 Member, Taskforce on Quality Assurance Mechanisms, Hong Kong PolyU, 2021
 Member, Quality Assurance Committee, Hong Kong PolyU, 2019-2021
 Associate Director, Institute of CyberScience, Penn State (2014-present)
 Chair, Postdoc Committee, Penn State Psychology, 2018-2019
 Chair, Quantitative Methods Committee, Penn State Psychology, 2016-2017
 Coordinator, Advanced Center for the Study of Learning Sciences (2013-present)
 Coordinator, Social, Cognitive, Affective Neuroscience (SCAN), Penn State, 2014-2015
 Co-Chair, Inter-College Graduate Program in Neuroscience, Penn State, 2010-2015
 Chair, University Park Neuroscience Graduate Curriculum Committee, 2010-2015
 Chair, University Park Neuroscience Graduate Admissions Committee, 2010-2015
 Chair, SLEIC Center fMRI Equipment Committee, Penn State University, 2009-2011
 Advisor, Neuroscience Honors, Department of Psychology, Penn State, 2013-2015
 Member, Search Committee for Director of the CIHRI Center, Penn State, 2018
 Member, Research Cyberinfrastructure Governance Task Force, Penn State, 2014
 Member, Institute of Cyberscience Strategic Planning Group, Penn State, 2014
 Member, Research Data and Computing Committee, Penn State, 2013
 Member, Neuroscience Search Committee, Psychology, Penn State, 2013-2014
 Member, Tenure and Promotion Committee, Psychology, Penn State, 2010-2014
 Member, Faculty Advisory Committee, College of Liberal Arts, Penn State, 2013-15
 Member, Future-funded-faculty (F³) Committee, Liberal Arts, Penn State, 2012-2014
 Member, Life Science Graduate Program Core Council Rec'D Task Force, 2012

Member, PSIN University Park Neuroscience Steering Committee, 2010-
Member, Penn State CyberScience Task Force, 2010-2011
Member, Penn State Institute of the Neurosciences Executive Committee, 2010-2013
Member, Neuroscience Cluster Hire Search Committee, Penn State University, 2010
Member, Adele Miccio Travel Award Committee, Penn State University, 2009-2010
Member, Psychology Faculty Search Committee, Penn State University, 2009-2010
Member, Committee on China Engagement, Penn State University, 2008-2009

Federal Government

Program Director, National Science Foundation, Washington DC, 2007-2009
Human-Machine Interaction Task Force, National Science Foundation, 2008
Computational Thinking Task Force, National Science Foundation, 2007
SBE Cyberinfrastructure Working Group, National Science Foundation, 2007
OCI High-Performance Computing Working Group, NSF, 2007-2009
Search Committee, Cognitive Neuroscience Program Director, NSF, 2009
Search Committee, Perception, Action & Cognition Program Director, NSF, 2008
Presenter, NSF Regional Grants Conference Crosscutting Program, Providence, 2008
Panel member, Major Research Instrumentation, NSF, 2008
Panel moderator, Collaborative Research on Computational Neuroscience, NSF, 2008
Panel moderator, Cyber-enabled Discovery and Innovation, NSF, 2008
Panel moderator, Human and Social Dynamics, NSF, 2008
SBE Representative to MRI program, National Science Foundation, 2007
Panel member, Language and Communication Study Section, NIH, 2004-2008

Other (1992-2007)

Psychology Honors Program Coordinator, University of Richmond, 2006-2007
University Scholars Selection Committee, University of Richmond, 2005-2007
Psychology Graduate Program Coordinator, University of Richmond, 2004-2006
Committee for Establishing Cognitive Science Major, University of Richmond, 2005
University Faculty Council, University of Richmond, 2003-2004
Faculty Research Committee, University of Richmond, 2000-2001
Faculty Advisor, Psi Chi, National Honors Society UR Chapter, 1998-2000
Member, Undergraduate Research Committee, University of Richmond, 1997-2002
Member, Asian Studies Committee, University of Richmond, 1997-2002
Laboratory Management Committee, Chinese University of Hong Kong, 1992-1994
Curriculum Committee, Chinese University of Hong Kong, 1994-1996

Teaching Experience

2019, Summer Faculty Instructor at the PolyU CBS Summer School 2019 (*Language, Cognition and Neuroscience*), Hong Kong Polytechnic University
(<http://www.cbs.polyu.edu.hk/2019summer-school/>)
Lecture: The Neurocognition of Bilingualism

2008-2019 Department of Psychology, Pennsylvania State University
Courses taught: PSYCH456 Advanced Cognitive Psychology Seminar
PSYCH457 Psychology of Language

PSYCH256 Introduction to Cognitive Psychology
PSY525 Cognitive Psychology Graduate Seminar

2013-2015 Graduate Program in Neuroscience, Pennsylvania State University
Course taught : NEURO597A Neuroscience Seminar/Current Topics in Neuroscience

2015, Summer Faculty at the Linguistic Institute of LSA (*Linguistic Society of America*),
University of Chicago (<https://lsa2015.uchicago.edu/>)
Course taught : Introduction to Bilingualism (<https://lsa2015.uchicago.edu/instructors/ping-li>)
(<https://lsa2015.uchicago.edu/courses/introduction-bilingualism>)

2015, Summer Faculty and Co-organizer at the 2015 Workshop on Neurolinguistics and
Technology (2015 年神经语言学理论与技术暑期班
(<http://yynl.jsnu.edu.cn/0e/87/c1465a3719/page.htm>)

1996-2008 Department of Psychology, University of Richmond
Courses taught: PSY101 Introduction to Psychological Science
PSY200 Research Methods and Statistics (with lab)
PSY333 Cognitive Science
PSY334 Cognitive Science Methods (Computer modeling)
PSY399 History and Philosophy of Psychological Science
PSY449/504 Advanced Seminar: Psychology of Language
PSY449/558 Advanced Seminar: Multivariate Statistics
PSY545 Professional Ethics

Summer 2004 Teaching faculty of the Linguistics Summer School,
Fudan University, Shanghai, China

Summer 1996 Teaching faculty of the Linguistics Summer School,
Guangdong University of Foreign Language and Foreign Studies,
Guangdong, China

1992-1996 Department of Psychology, Chinese University of Hong Kong
Courses taught : Computers and Psychology
Psychology of Language
Thinking and Problem Solving
General Psychology
Introduction to Statistics
Graduate Seminar: Cognitive-Experimental Psychology

Summer 1987 Teaching faculty of the Linguistic Society of the Netherlands
Summer School, University of Amsterdam, The Netherlands

Computational Experience

Software developed (available at <http://blclab.org/>):

- (1) *PatPho*, a phonological pattern generator for neural networks;
- (2) *DevLex*, a neural network simulator for self-organizing models of language;
- (3) *APA Style Converter*, a web interface for converting articles to APA Style for publication;
- (4) *Language History Questionnaire*, a web-based interface for collecting L2 language usage history (LHQ, LHQ2, LHQ3);
- (5) *Interactive Query System*, a web-interface for generating psycholinguistic norms in Chinese;
- (6) *Contextual SOM*, software for deriving semantic representations based on corpus statistics.

Languages

Native or near-native proficiency: Mandarin Chinese; Xiang Dialect; English

High proficiency: Cantonese

Working knowledge: German, Dutch

Selected Plenary or Keynote Speeches

Keynote Speech, The 13th World Conference on Chinese Language Teaching, World Chinese Language Association and Chinese Language and Technology Center, National Taiwan Normal University, July, 2021 (online)

Keynote Speech, International Conference on Language Cognitive Science (CLCS 2021), Beijing Language and Culture University, June, 2021 (online)

Public Lecture, Overseas Renowned Scholar Lecture Series (北京大学海外名家学者讲学计划), Peking University (Joint sponsorships by the Department of Chinese, Research Centre for Chinese Linguistics, and PKU International Cooperation Unit), October, 2020 (online)

Keynote Speech, The 4th Association for Reading and Writing in Asia conference (ARWA 2020), Chinese University of Hong Kong and Institute of Psychology, Chinese Academy of Sciences, September, 2020 (online)

Keynote Speech, The 21st Chinese Lexical Semantics Workshop (CLSW 2020), City University of Hong Kong, Hong Kong SAR, May, 2020 (online)

Keynote Speech, Japanese Society for Language Sciences 21st Annual International Conference (JSLS 2019), Tohoku University, Sendai, Japan, July, 2019

Keynote Speech, Lund Symposium on Cognition, Communication and Learning (CCL 2019), Lund University, Lund, Sweden, April, 2019

Keynote Speech, Annual Meeting of the International Society of Neuroscience (ISN 2019), Shenzhen, March, 2019

Keynote Speech, Annual Meeting of the Chinese Language Teachers' Association California (CLTAC), Stanford University, March, 2019

Keynote Speech, Roundtable Seminar: Cognitive Perspectives on SLA, University of Macau, China, Nov., 2018

Public Lecture, Seminar Series of Institute for CyberScience 2018-2019, Penn State, Sept., 2018

Keynote Address, 3rd Symposium of Advanced Learning Technologies, Theories, Applications and Impacts (ALTTAI-2018), Qinhuangdao, China, July, 2018

Keynote Address, 47th Annual Meeting of the Society for Computers in Psychology, Vancouver, November, 2017

Keynote Speech, Inaugural Conference at the Center for the Study of Learning Sciences, South China Normal University, November, 2017

Keynote Speech, Summit Forum for Frontiers of Language Sciences: Embodiment Linguistics, Beijing University of Science and Technology, May, 2017

Keynote Speech, The 4th International Conference of the Chinese Association of Psycholinguistics, South China Normal University, May, 2017

Keynote Speech, The 4th International Conference on Advanced Learning Sciences (IWALS-2016), South China Normal University, June, 2016

Distinguished Lecture: Writing, Evolution, and Culture Lecture Series, College of Education, National Taiwan Normal University, Taiwan, November, 2015 [文字.文明與文化系列演講]

Distinguished Lecture, College of Health Sciences and Technology, National Central University, Taiwan, October, 2015

Keynote Speech, Taiwan Psychological Association 54th Annual Conference, National Taiwan Normal University, October, 2015

Keynote Speech, The 3rd International Workshop on Advanced Learning Sciences (IWALS-2015), Tokyo University of Foreign Studies, August, 2015

Keynote Speech, The 2nd International Workshop on Advanced Learning Sciences (IWALS-2014), National Taiwan Normal University, July, 2014

Frontier Lecture, Department of Teaching, Learning, and Culture, Texas A&M University, March, 2014

Keynote Speech, International Symposium on *Language, Brain and Gene*, University of Hong Kong, Hong Kong, October, 2013

Keynote Speech, The 21st Annual Conference of the International Association of Chinese Linguistics, National Taiwan Normal University, Taiwan, June, 2013

He Qin Lectures, Nanjing Normal University, China, June, 2012

Keynote Speech, The Inaugural Conference of the Chinese Association of Psycholinguistics, Guangdong University of Foreign Studies, China, December, 2011

Woolfolk Distinguished Lecture, Department of Communication Sciences and Disorders, University of Texas, Austin, April, 2011

Penn State Institute of Neuroscience Research Retreat Keynote Speech, November, 2009

Seventh International Workshop on Self-Organizing Maps (WSOM-09), Florida, USA, 2009

Second Intl' Conference on East Asian Linguistics. Simon Fraser University, Canada, 2008

International Symposium on Bilingualism: Models of Interaction in Bilinguals. University of Wales Bangor, UK, 2008

Selected Media Coverage (see selected reports on <https://blclab.org/media-coverage/>)

BTN.COM, CampusTechnology.COM, CBSnews.COM, CNN.COM, ConnexionFrance.COM, CTVnews.COM, DailyMail.Co.UK; Digitaltrends.COM, Discovermagazine.COM, Forbes.COM, ForumBLOG.COM, Futurity.ORG, GovExec.COM, HealthWD.INFO, HealthDay.COM, HeeMD.COM, Healthimaging.COM, HNGN.COM, Intelligencetest.com, LANGology.ORG, Medicalxpress.COM, News.PSU.EDU, NextGov.COM, NeuroscienceNews.COM, PsychologyToday.COM, QZ.COM, Reddit.COM, ScienceDaily.COM,

ScienceAlert.COM, Science360.COM, ScienceNewline.COM, SCICasts.COM, ScienceWorldreport.COM, TVcn.NL, USnews.COM, 中国日报, 光明日报, 南方日报, 中国社会科学报, 中新网, 人民网, 新浪网, 凤凰网, among others

Publications (e-copies may be requested and downloaded from <http://blclab.org/>; Google Scholar citations at <http://scholar.google.com/citations?user=Z0mAYS4AAAAJ&hl=en>; h-index 49)

1. Books and Edited Volumes:

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- Dong, Y., & Li, P. (2019). Simultaneous interpreting: Window into bilingual processing. A special issue of *Bilingualism: Language and Cognition*.
- Lan, Y., Chen, N., Li, P., & Grant, S. (2015). Embodied cognition and language learning in virtual environments. A special issue of *Education Technology and Research Development*, 63(5), 639-807.
- Tan, L.H., & Li, P. (2015). Language, brain, and gene: The Chinese context. A special issue of *Journal of Neurolinguistics*, 33, 1-186.
- Grosjean, F., & Li, P. (2013). *The psycholinguistics of bilingualism*. New York, NY: John Wiley & Sons, Inc.
- Li, P. (2013). *Computational modeling of bilingualism*. A special issue of *Bilingualism: Language and Cognition*, 16(2), 241-366.
- Li, P., & Marrongelle, K. (2013). *Having success with NSF: A practical guide*. New York, NY: John Wiley & Sons, Inc.
- He, H.B., Li, P., & Wang, H.W. (2011). Advances in knowledge discovery and data analysis for artificial intelligence. A special issue of the *Journal of Experimental and Theoretical Artificial Intelligence*, 23(1), 1-136.
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- Li, P., & Green, D. (2007). Neurocognitive approaches to bilingualism: Asian languages. A special issue of *Bilingualism: Language and Cognition*, 10(2), 117-210.
- Li, P., Tan, L.-H., Bates, E., & Tzeng, O. (2006). *The Handbook of East Asian Psycholinguistics* (Vol. 1: Chinese). Cambridge University Press.

Li, P., & Shirai, Y. (2000). *The acquisition of lexical and grammatical aspect*. Berlin & New York: Mouton de Gruyter.

2. Articles in Peer-Reviewed Journals:

Li, P., & Lan, Y.J. (2021). Digital language learning (DLL): Insights from behavior, cognition, and the brain. *Bilingualism: Language and Cognition*, 1-18.
<https://doi.org/10.1017/S1366728921000353> (Keynote article)

Claussenius-Kalman, H., Hernandez, A., Li, P. (2021). Expertise, ecosystem, and emergentism: Dynamic developmental bilingualism, *Brain and Language*, 222.
<https://doi.org/10.1016/j.bandl.2021.105013>

Hu, J., Cao, L., Li, T., Dong, S., & Li, P. (2021). GAT-LI: a graph attention network based learning and interpreting method for functional brain network classification. *BMC Bioinformatics*, 22: 379, <https://doi.org/10.1186/s12859-021-04295-1>

Follmer, D. J., Li, P., & Clariana, R. (2021). Predicting expository text processing: Causal content density as a critical expository text metric. *Reading Psychology*.
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- Li, P. (1991). *Zai* and *Ba* constructions in child Mandarin. *CRL Newsletter*, 5 (5), Center for Research in Language, University of California, San Diego.
- Li, P. (1985). Maikesi Pulangke Xinliyuyanxue Yanjiusuo (Max Planck Institute for Psycholinguistics). *Linguistics Abroad*, 1, 29-31. (in Chinese)

Presentations at Professional Meetings

- Li, P. (2021). Neuroplasticity, individual differences, and context of learning in second language acquisition. Talk presented at *Symposium on Neuroscience of Second*

Language Acquisition: Opportunities and Challenges, American Association for Applied Linguistics (AAAL) 2021 Virtual Conference, March, 2021

- Li, P., Xu, M., & Li, D. (2020). 大脑解码的语言神经模型与应用 (Brain-decoding: Neural models of language and their applications). Talk presented at the *4th International Symposium on Psychiatric Neuroimaging* (精神神经影像新进展暨第四届国际精神影像学高峰论坛), Shenzhen, China, November, 2020.
- Seyfried, F., & Li, P. (2020). Comparing sentence-based vs. word-based semantic space representations to brain responses. Paper presented at the *30th Annual Conference of the Society for Text & Discourse* (ST&D 2020 Online Meeting), July, 2020.
- Li, P. (2019). Immersive virtual reality and its impact on second language learning (沉浸式虚拟现实对提高第二语言学习的影响研究). Talk presented at the *7th Overseas Chinese Linguists Forum (OCLF 2019)*, Xuzhou, China, June, 2019.
- Li, P. (2019). The second language brain: Neurocognitive and computational bases. Talk presented at the *Symposium on CHILDES, TalkBank, Competition, Emergentism: Honoring the Impact of Brian MacWhinney on Language Research*, Pittsburgh, June, 2019.
- Ma, X., Liu, Y., Clariana, R., & Li, P. (2019). From fixation sequence to knowledge representation: Utilization of network science. Poster presented at the *Symposium on CHILDES, TalkBank, Competition, Emergentism: Honoring the Impact of Brian MacWhinney on Language Research*, Pittsburgh, June, 2019.
- Schloss, B., Seyfried, F., Hsu, C., & Li, P. (2019). Language background and lexical representations during naturalistic reading: An RSA analysis of fixation-related fMRI data on L1 and L2 readers of English. Poster presented at the *Symposium on CHILDES, TalkBank, Competition, Emergentism: Honoring the Impact of Brian MacWhinney on Language Research*, Pittsburgh, June, 2019.
- Seyfried, F., & Li, P. (2019). Capturing sentence information in expository texts: A comparison of sentence-based vs. word-based semantic space representations. Poster presented at the *49th Annual Conference of the Society for Computers in Psychology* (SCiP 2019), Montreal, November, 2019.
- Yang, J., Zhang, X., & Li, P. (2019). Embodied account of second language processing: An fMRI study. Poster presented at the *Symposium on CHILDES, TalkBank, Competition, Emergentism: Honoring the Impact of Brian MacWhinney on Language Research*, Pittsburgh, June, 2019.
- Yu, A., Schloss, B., Seyfried, F., & Li, P. (2019). Modeling text comprehension networks: A resting-state functional connectivity study. Poster presented at the *Symposium on*

CHILDES, TalkBank, Competition, Emergentism: Honoring the Impact of Brian MacWhinney on Language Research, Pittsburgh, June, 2019.

- Yu, A., Schloss, B., Hsu, C., Ma, L., Chang, C., Scotto, M., Seyfried, F., & Li, P. (2019). The Reading Brain Project: An open science data-sharing initiative. Poster presented at the *26th Annual Meeting of the Cognitive Neuroscience Society*, San Francisco, March, 2019.
- Li, P., Hsu, C., Schloss, B., & Clariana, R. (2018). How students understand STEM concepts: A fMRI study of expository science text comprehension. Paper presented at the *Symposium on Neuroimaging Studies of Text Comprehension, Annual Meeting of the Society for Text & Discourse*, Brighton, U.K., July, 2018.
- Li, P. (2018). Second language learning: A neurocognitive approach. Paper presented at the *International Symposium of Brain and Language*, Huaqiao University, Xiamen, July, 2018.
- Li, P. (2018). The Language History Questionnaire (LHQ): Assessment of bilingual background and multilingual competence. Paper presented at the *Symposium on Assessment of Language Development*, Tianjin Normal University, Tianjin, June, 2018.
- Li, P., Hsu, C., Schloss, B., & Clariana, R. (2018). Acquisition of STEM concepts through expository text comprehension: An fMRI study. Poster presented at the *24th Annual Meeting of the Organization for Human Brain Mapping*, Singapore, June, 2018.
- Li, P., Legault, J., & Lan, Y. (2018). Language learning in a virtual space. Paper presented at the *6th International Workshop on Advanced Learning Sciences (IWALS 2018)*, Pittsburgh, June, 2018.
- Legault, J., Zhao, J., Chi, Y., Chen, W., Klippel, A., & Li, P. (2018). Virtual reality as an effective tool to train second language vocabulary. Poster presented at the *6th International Workshop on Advanced Learning Sciences (IWALS 2018)*, Pittsburgh, June, 2018.
- Ma, X., Clariana, R., & Li, P. (2018). Predicting mental knowledge representation from fixation sequence using graph analysis. Poster presented at the *6th International Workshop on Advanced Learning Sciences (IWALS 2018)*, Pittsburgh, June, 2018.
- Chang, C., Li, P., Tsai, J., Lin, E., Chao, P., Chou, C., & Lee, C. (2018). The neural substrates for predictive processes in sentence comprehension. Poster presented at the *25th Annual Meeting of the Cognitive Neuroscience Society*, Boston, March, 2018.

- Hsu, C., Clariana, R., & Li, P. (2018). Knowledge structure and expository texts comprehension: A neurocognitive study. Poster presented at the *25th Annual Meeting of the Cognitive Neuroscience Society*, Boston, March, 2018.
- Ma, X., Hu, J., Zhao, X., & Li, P. (2018). Predicting reading comprehension from eye movement features using deep neural network. Poster presented at the *25th Annual Meeting of the Cognitive Neuroscience Society*, Boston, March, 2018.
- Schloss, B., & Li, P. (2018). Predicting conceptual change during naturalistic reading with fMRI. Poster presented at the *25th Annual Meeting of the Cognitive Neuroscience Society*, Boston, March, 2018.
- Legault, J., Zhao, J., Klippel, A., & Li, P. (2017). Enhancing second language vocabulary learning with Virtual Reality. Paper presented at the *4th Thinking Within Symposium*, Penn State, December, 2017.
- Hu, J., Liao, B., Zhao, X., & Li, P. (2017). Applying convolutional neural networks to fMRI data classification: A deep learning approach. Poster presented at the *47th Annual Conference of the Society for Computers in Psychology (SCiP 2017)*, Vancouver, November, 2017.
- Zhang, F., Yu, A., Zhao, X., & Li, P. (2017). The Language History Questionnaire (LHQ) 3.0. Talk presented at the *47th Annual Conference of the Society for Computers in Psychology (SCiP 2017)*, Vancouver, November, 2017.
- Legault, J., & Li, P. (2017). Effects of learning context on neuroplasticity during second language vocabulary training. Paper presented at the *Symposium on Connecting Language, Interaction and Education in Digital Environments (CLIEDE 2017)*, State College, PA, Sept., 2017.
- Li, P. (2017). Neuroplasticity and second language learning: Identifying functional and structural brain changes. Paper presented at the *Symposium on Neuroplasticity across Lifespan Development, the 11th International Conference on Cognitive Science (ICCS 2017)*, Taipei, Taiwan, September, 2017.
- Adams, K., Abdollahi, F., Li, P., & van Hell, J. (2017). Cross-language interaction in auditory and visual word processing in bilinguals: Electrophysiological and behavioral evidence. Poster presented at the *24th Annual Meeting of the Cognitive Neuroscience Society*, San Francisco, March, 2017.
- Schloss, B., Hsu, C.T., & Li, P. (2017). A sensorimotor network for voluntary oculomotor function in skilled reading: From cortex to brainstem. Poster presented at the *24th Annual Meeting of the Cognitive Neuroscience Society*, San Francisco, March, 2017.

- Li, P. (2016). Identifying and promoting learning-induced brain changes through technology. Invited talk presented at the *Second Shenzhen Forum on Brain Research*, Shenzhen, China, December, 2016.
- Grant, A., & Li, P. (2016). Second language proficiency affects subcortical recruitment during executive control processing. Poster presented at the *57th Annual Meeting of the Psychonomic Society*, Boston, November, 2016.
- Liu, S., Schloss, B., & Li, P. (2016). Speaking two “languages” in America: A semantic space analysis of how presidential candidates and their parties represent the same concepts differently. Poster presented at the *46th Annual Conference of the Society for Computers in Psychology (SCiP 2016)*, Boston, November, 2016.
- Schloss, B., & Li, P. (2016). Evolving semantic representations in the brain using multi-band fMRI during reading. Poster presented at the *46th Annual Conference of the Society for Computers in Psychology (SCiP 2016)*, Boston, November, 2016.
- Fang, S., Zinszer, B., Malt, B., & Li, P. (2016). A computational model of semantic convergence in bilinguals. Poster presented at the *14th International Conference on the Cognitive Modeling*. State College, August, 2016.
- Feng, S., Yang, J., Legault, J., Li, P., & Yang, Y. (2016). Processing of nouns and verbs in different contexts: An fMRI study. Poster presented at the *8th Annual Meeting of the Society for the Neurobiology of Language*, London, UK, August, 2016.
- Legault, J., Fang, S., Ahmed, Y., Lan, Y., & Li, P. (2016). Cortical thickness changes with short-term second language vocabulary training. Poster presented at the *8th Annual Meeting of the Society for the Neurobiology of Language*, London, UK, August, 2016.
- Yang, J., & Li, P. (2016). Sex differences in second language word learning: fMRI evidence. Poster presented at the *8th Annual Meeting of the Society for the Neurobiology of Language*, London, UK, August, 2016.
- Li, P. (2016). Reading of science text: Semantic concepts and semantic spaces in the brain. Invited talk presented at the *1st International Workshop on Reading Science*, Sun Yat-sen University, Guangzhou, China, June, 2016.
- Li, P. (2016). Science text and concept representation: Role of linguistic features and reader characteristics. Invited talk presented at the *3rd Workshop on the Analysis of Linguistic Features (WoALF 2016)*, National Taiwan Normal University, Taipei, Taiwan, April, 2016.
- Legault, J., Litcofsky, K., Fang, S., & Li, P. (2016). Structural brain correlates of mathematical processing in bilinguals. Poster presented at the *23rd Annual Meeting of the Cognitive Neuroscience Society*, New York, April, 2016.

- Adams, K., Abdollahi, F., Ammerman, K., Li, P., van Hell, J. (2016). Mapping novel word forms to meaning in beginning child and adult second language learners: Electrophysiological and behavioral evidence. Poster presented at the *23rd Annual Meeting of the Cognitive Neuroscience Society*, New York, April, 2016.
- Li, P., Clariana, R., & Meyer, B.J.F. (2015). How do students understand science concepts? Brain signatures of reading comprehension. Poster presented at the *BRAIN Initiative Investigators Conference*, National Science Foundation, Bethesda, December, 2015.
- Li, P. (2015). Neuroplasticity and language learning: Brain changes from short-term and long-term experiences. Invited talk presented at the *First Shenzhen Forum on Brain Research*, Shenzhen, China, November, 2015.
- Schloss, B., & Li, P. (2015). Predicting human brain activation for concrete nouns: Comparing vector space and graph theory models. Poster presented at the *45th Annual Conference of the Society for Computers in Psychology (SCiP 2015)*, Chicago, November, 2015.
- Li, P. (2015). Brain networks, language learning and big data: Individual differences and neural plasticity revealed. Talk presented at the *3rd Meeting of Computational Behavioral Sciences – Corpus Linguistics and Text Data Mining: Modeling and Applications*. Wuhan, China, October, 2015.
- Li, P. (2015). The bilingual brain: Neuroplasticity as a function of second language learning. Talk presented at the *5th International Symposium on Chinese Linguistics*, Chengdu, China, June, 2015.
- Yang, J., & Li, P. (2015). Brain lateralization shifts with tonal language learning. Poster presented at the *21st Annual Meeting of the Organization for Human Brain Mapping*, Honolulu, June, 2015.
- Adams, K., Abdollahi, F., Li, P., & van Hell, J. (2015). Cognate effects in visual and auditory lexical decision in child and adult bilinguals: do phonological cues constrain lexical activation to one language? Paper presented at the *10th International Symposium on Bilingualism*, New Brunswick, May, 2015.
- Legault, J., Fang, S., Wang, S., Lan, Y., & Li, P. (2015). Effects of learning context on L2 lexical acquisition: behavioral and fMRI evidence. Paper presented at the *10th International Symposium on Bilingualism*, New Brunswick, May, 2015.
- Malt, B., Li, P., Pavlenko, A., & Zhu, H. (2015). Bidirectional lexical interaction in late immersed Mandarin-English bilinguals. Paper presented at the *10th International Symposium on Bilingualism*, New Brunswick, May, 2015.

- Zinszer, B., Wang, R., & Li, P. (2015). Bilingual categorization reveals cross-language competition in naming. Paper presented at the *10th International Symposium on Bilingualism*, New Brunswick, May, 2015.
- Legault, J., Fang, S., Lan, Y., & Li, P. (2015). Gray matter changes as a function of second language vocabulary learning. Poster presented at the *22nd Annual Meeting of the Cognitive Neuroscience Society*, San Francisco, March, 2015.
- Zhang, T., Zinszer, B., Wang, R., & Li, P. (2015). Bilinguals' ACC and pars triangularis reflect L1 and L2 norms during L1 production. Poster presented at the *22nd Annual Meeting of the Cognitive Neuroscience Society*, San Francisco, March, 2015.
- Li, P. (2015). Reading and the bilingual brain: Insights from second language learning. *NIAS Workshop on Cross-linguistic Study of Second Language Reading*, Wassenaar, the Netherlands, January, 2015.
- Lan, Y., Wang, S., Fang, S., Hsiao, Y., Tzeng, L., & Li, P. (2014). L2 word learning through virtual environments vs. audio-visual paired associations. Paper presented at the *44th Annual Conference of the Society for Computers in Psychology (SCiP 2014)*, Long Beach, November, 2014.
- Wang, R., Li, P., Yu, K., & Li, L. (2014). Processing of acoustic and phonological information of lexical tones in Mandarin Chinese revealed by mismatch negativity. Poster presented at the *55th Annual Meeting of the Psychonomic Society*, Long Beach, November, 2014.
- Grant, A., & Li, P. (2014). Losing control: An investigation of lexical processing in adult second language learners. Poster presented at the *Annual Conference of the Society for the Neurobiology of Language (SNL 2014)*, Amsterdam, July, 2014.
- Legault, J., Fang, S., Wang, S., Lan, Y., & Li, P. (2014). Functional and anatomical changes as a function of second language learning. Poster presented at the *Annual Conference of the Society for the Neurobiology of Language (SNL 2014)*, Amsterdam, July, 2014.
- Fang, S., Malt, B., Ameel, E., & Li, P. (2013). A computational model of semantic convergence in bilingual lexicon. Paper presented at the *43rd Annual Conference of the Society for Computers in Psychology (SCiP 2013)*, Toronto, November, 2013.
- Jobe, R., Malt, B., Li, P., Ameel, E., & Pavlenko, A. (2013). Bilingual lexical interaction: Inevitable or malleable? Poster presented at the *54th Annual Meeting of the Psychonomic Society*, Toronto, November, 2013.
- Lebkuecher, A., Malt, B., & Li, P. (2013). Is first-language syntax susceptible to second-language influence without time pressure? Poster presented at the *54th Annual Meeting of the Psychonomic Society*, Toronto, November, 2013.

- Zinszer, B., Malt, B., Ameel, E., & Li, P. (2013). Effects of immersion, language, and learner variables on lexical category convergence. Poster presented at the 54th *Annual Meeting of the Psychonomic Society*, Toronto, November, 2013.
- Fang, S., Wang, Y., & Li, P. (2013). Neural patterns of mathematical processing in monolingual and bilingual speakers. Poster presented at the 5th *Annual Meeting of the Society for the Neurobiology of Language (SNL 2013)*, San Diego, November, 2013.
- Grant, A., Fang, S., & Li, P. (2013). Working hard really does pay off: An fMRI investigation of lexical access in L2 learners. Poster presented at the 5th *Annual Meeting of the Society for the Neurobiology of Language (SNL 2013)*, San Diego, November, 2013.
- Rolotti, S. V., Zinszer, B. D., Carlson, E. A. & Li, P. Bayesian word learning in multiple languages. Poster presented at the 35th *Annual Conference of the Cognitive Science Society*, Berlin, August 3, 2013.
- Zinszer, B., Holt, T., Wu, H., Shu, H., & Li, P. (2013). Age of L2 onset modulates left MTG specialization for L1 lexical tones. Poster presented at the 5th *Annual Meeting of the Society for the Neurobiology of Language (SNL 2013)*, San Diego, November, 2013.
- Yang, J., & Li, P. (2013). Common and distinct neural correlates of first and second languages: fMRI evidence. Talk presented at the Workshop on the Neurobiology of Bilingualism, 9th *International Symposium on Bilingualism (ISB9)*, Singapore, June, 2013.
- Zinszer, B., Malt, B., Ameel, E., & Li, P. (2013). Effects of immersion, language, and learner variables on lexical category convergence. Talk presented at the 9th *International Symposium on Bilingualism (ISB9)*, Singapore, June, 2013.
- Fang, S., Wang, Y., & Li, P. (2013). Neural correlates of mathematical processing in bilinguals. Poster presented at the 9th *International Symposium on Bilingualism (ISB9)*, Singapore, June, 2013.
- Malt, B., Li, P., Ameel, E., & Zhu, H. (2012). Language dominance modulates cross-language lexical interaction. Poster presented at the 53rd *Annual Conference of the Psychonomic Society*, Minneapolis, November, 2012.
- Rolotti, S., Zinszer, B., & Li, P. (2012). Bayesian inference for bilingual word learning. Poster presented at the 42nd *Annual Conference of the Society for Computers in Psychology (SCiP 2012)*, Minneapolis, November, 2012.

- Zhang, F., Tsai, E., & Li, P. (2012). A modularized, dynamic, cloud-based Language History Questionnaire. Paper presented at the *42nd Annual Conference of the Society for Computers in Psychology (SCiP 2012)*, Minneapolis, November, 2012.
- Karuza, E., Li, P., Weiss, D., & Aslin, R. (2012). Neural substrates underlying order effects in statistical learning. Poster presented at the *Annual Meeting of the Society for the Neurobiology of Language*, Sebastian, Spain, October, 2012.
- Zinszer, B., & Li, P. (2012). Predictors of native-like lexical categorization in Chinese learners of English. Paper at the *Second Language Research Forum 2012*, Pittsburgh, October, 2012.
- Chouinard, A., & Li, P. (2012). Neural correlates of lexical interaction in adult second language learners. Poster presented at the *Second Language Research Forum 2012*, Pittsburgh, October, 2012.
- Zhao, X., & Li, P. (2012). Connectionist approach to second language acquisition and processing. Poster presented at the *Second Language Research Forum 2012*, Pittsburgh, October, 2012.
- Yang, J., Swick, K., Watkins, H., & Li, P. (2012). Neural changes underlying short-term language training: An fMRI study. Poster presented at the *18th Annual Meeting of the Organization for Human Brain Mapping*, Beijing, June, 2012.
- Liu, Y., Yang, J., Fang, X., Li, P. & Shu, H. (2012). The role of right hemisphere in the processing of Chinese idioms: an fMRI study. Poster presented at the *18th Annual Meeting of the Organization for Human Brain Mapping*, Beijing, June, 2012.
- Li, P. (2011). Creativity, the Chinese style: Culture and education. Invited talk presented at the workshop on *China's Emerging Technological Trajectory: Challenges and Opportunities*, Penn State University, December, 2011.
- Yang, J., Clark, P., Swick, K., Watkins, H., & Li, P. (2011). Role of working memory in explicit and implicit artificial grammar learning. Poster presented at the Annual Meeting of the *Society for Neurobiology of Language*, Annapolis, November, 2011.
- Khan, O.A., Giles, C.L., & Li, P. (2011). BrainSeer: A neuroinformatic tool for functional brain imaging based on automatic information retrieval. Talk presented at the *41st Annual Meeting of the Society for Computers in Psychology (SCiP)*, Seattle, November, 2011.
- Li, P. (2011). The interactive dynamics of L1 and L2 lexical development. Talk presented at the symposium *Bridging L1 and L2 acquisition: Symposium in honor of Brian MacWhinney*, *12th International Congress for the Study of Child Language*, Montreal, July, 2011.

- Li, P., Yang, J., & Shu, H. (2011). Language-specific experience and AoA modulate neural activities in L1 and L2. Talk presented at the symposium *Universal and language-specific patterns in bilingual processing: The importance of a comparative approach* (J. van Hell, Organizer), 8th *International Symposium on Bilingualism*, Oslo, Norway, June, 2011.
- Zhao, X., Doyle-Smith, N., & Li, P. (2011). A comparative study of semantic representations across three languages. Talk presented at the 41st Annual Meeting of the *Society for Computers in Psychology (SCiP)*, Seattle, November, 2011.
- Zhao, X., & Li, P. (2011). Simulating cross-language priming: A computational study of the bilingual lexicon based on DevLex-II. Talk presented at the symposium *Computational Modeling of Bilingualism: Integrating Acquisition and Processing* (P. Li, & V. Marian, Organizers), 8th *International Symposium on Bilingualism*, Oslo, Norway, June, 2011.
- Zhao, X., Li, P., Liu, Y., Fang, X. & Shu, H. (2011). Cross-language priming in Chinese-English bilinguals with different second language proficiency levels. Poster presented at the *Thirty-three Annual Conference of the Cognitive Science Society*, Boston, MA, August, 2011.
- Zinszer, B., & Li, P. (2011). Naming in two languages: Bilingual lexical categorization. Talk presented at the symposium *Dynamic Lexical Interaction of L1 and L2* (B. Malt & P. Li, Organizers), 8th *International Symposium on Bilingualism*, Oslo, Norway, June, 2011.
- Li, P., Li, Y., Yang, J., & Yang, Q. Two faces, two languages: How facial cues modulate bilingual language activation. Poster presented at the *Annual Meeting of the Cognitive Neuroscience Society*, San Francisco, April, 2011.
- Zinszer, B. & Li, P. Modeling age of onset in first language lexical attrition. Talk presented at the 40th *Annual Meeting of the Society for Computers in Psychology*, St. Louis, Missouri, November, 2010.
- Zinszer, B. & Li, P. Cross-language lexical interaction in object naming. Poster presented at the 51th *Annual Meeting of the Psychonomic Society*, St. Louis, Missouri, November, 2010.
- Zinszer, B. & Li, P. A SOM model of first language lexical attrition. Talk presented at the *Thirty-second Annual Conference of the Cognitive Science Society*, Portland, Oregon, August, 2010.
- Li, P. Staying in the academic pipeline: Finding funding opportunities. Talk presented at the Workshop on Staying in the Academic Pipeline organized by Women in Cognitive Science, *Thirty-second Annual Conference of the Cognitive Science Society*, Portland, Oregon, August, 2010.

- Liu, Y., Jia, G., Zhang, Q., Shu, H., & Li, P. Role of grammatical versus semantic information in language processing: Evidence from an ERP study in Chinese. Poster presented at the 2010 Annual Meeting of the Cognitive Neuroscience Society, Montreal, April, 2010.
- Yang, J., Tan, L., & Li, P. Lexical representation of nouns and verbs in the late bilingual brain. Poster presented at the 2010 Annual Meeting of the Cognitive Neuroscience Society, Montreal, April, 2010.
- Zhang, L., Xi, J., Shu, H., Zhang, Y., & Li, P. Neurophysiological indices of categorical perception of Chinese lexical tones: Acoustic and phonological information is processed in parallel. Poster presented at the 2010 Annual Meeting of the Cognitive Neuroscience Society, Montreal, April, 2010.
- Li, P. Dynamic self-organization in vocabulary acquisition: Insights from connectionist modeling. Talk presented at the Symposium on Modeling Statistical Word Learning, *International Conference on Infant Studies*, Baltimore, March, 2010.
- Zhao, X. & Li, P. Simulating cross-language priming between Chinese and English. Talk presented at the *39th Annual Meeting of the Society for Computers in Psychology*, Boston, November, 2009.
- Zhao, X., Li, P., & Kohonen, T. A contextual self-organizing map of Chinese words. Poster presented at the *39th Annual Meeting of the Society for Computers in Psychology*, Boston, November, 2009.
- Yang, J., Liu, Y., Chen, L. Shu, H., & Li, P. A special role of right hemisphere in bilateral idiom network: Evidence from a Chinese idiom fMRI study. Talk presented at the *Thirteenth International Conference on the Processing of East Asian Languages*, Beijing, October, 2009.
- Zhang, L., Shu, H., Zhou, F., Wang, X., & Li, P. Common and distinct neural substrates for the perception of speech. Talk presented at the *Thirteenth International Conference on the Processing of East Asian Languages*, Beijing, October, 2009.
- Zhao, X., & Li, P. Bilingual lexical development in a dynamic self-organizing model. Talk presented at the *Thirteenth International Conference on the Processing of East Asian Languages*, Beijing, October, 2009.
- Li, P. Having success with the National Science Foundation. Talk presented at the Workshop on Merging Professional Development and Science, *Thirty-first Annual Conference of the Cognitive Science Society*, Amsterdam, July, 2009.

- Li, P., Discussion: the cognitive science of bilingualism. Discussant at the Symposium on the Cognitive Science of Bilingualism, *Thirty-first Annual Conference of the Cognitive Science Society*, Amsterdam, July, 2009.
- Li, P., & Tan, L. The organization and neural representation of lexical categories in L1 and L2. Paper presented at the Symposium on the Cognitive Science of Bilingualism, *Thirty-first Annual Conference of the Cognitive Science Society*, Amsterdam, July, 2009.
- Li, P. Lexical development in L1 and L2: Computational and neural perspectives. Invited talk presented at *the Workshop on Second Language Learning and Development of Proficiency*. Eastern Psychological Association, Pittsburgh, March, 2009.
- Li, P. Lexical organization and competition in L1 and L2: Computational and neural approaches. Invited presentation at *the Third Annual Eleanor M. Saffran Conference on Cognitive Neuroscience*. Temple University, September, 2008.
- Li, P., MacWhinney, B., & Zhao, X. Self-organizing learning of lexicon with CHILDES. Paper presented at *the Symposium on Machine Learning from CHILDES, XI International Congress for the Study of Child Language (IASCL)*, Edinburgh, July, 2008.
- Liu, S., Zhao, X., & Li, P. Early vocabulary development: A corpus-based study of three languages. Poster presented at *the Thirtieth Annual Conference of the Cognitive Science Society*, Washington DC, July, 2008.
- Zhao, X., & Li, P. Vocabulary development in English and Chinese: A comparative study with self-organizing neural networks. Poster presented at *the Thirtieth Annual Conference of the Cognitive Science Society*, Washington DC, July, 2008.
- Li, L., Liu, Y., Li, P., & Shu, H. Role of phonological neighborhoods in a developing lexicon. Poster presented at *the 20th Annual Convention for the Association of Psychological Science*, Chicago, May, 2008.
- Chen, L., Zhang, Y., Zhang, Q., Liu, Y., Li, P., & Shu, H. Native language shapes the neural mechanisms of second language processing: Evidence from an electrophysiological study. Poster presented at *the 15th Annual Conference of the Cognitive Neuroscience Society*, San Francisco, April, 2008.
- Liu, Y., Shu, H., Weekes, B., & Li, P. Effects of age-of-acquisition and frequency on Chinese word processing: Evidence from behavioral and event-related fMRI studies. Poster presented at *the 15th Annual Conference of the Cognitive Neuroscience Society*, San Francisco, April, 2008.

- Li, P. Lexical organization and competition in first and second languages. Talk presented at *the Symposium on Neuro-computational approaches to early lexical acquisition, XVI International Conference on Infant Studies*, Vancouver, Canada, March, 2008.
- Li, P. Competition and organization in language acquisition: Crosslinguistic, computational, and neural perspectives. Invited presentation at *the Special Session in Honor of Melissa Bowerman, Boston Conference on Language Development*, Boston, MA, November, 2007.
- Hao, M., Shu, H., & Li, P. The MacArthur-Bates Communicative Development Inventory: Chinese Version. Poster presented at *the 37th Annual Meeting of the Society for Computers in Psychology*, Long Beach, CA, November, 2007.
- Weekes, B., Liu, Y., Shu, H., & Li, P. Age of acquisition effects in Chinese word processing. Poster presented at *the 48th Annual Meeting of the Psychonomic Society*, Long Beach, CA, November, 2007.
- Li, P. Competition and organization in language acquisition: Computational and neural instantiations. Paper presented at the *Rumelhart Symposium, the Twenty-Ninth Annual Conference of the Cognitive Science Society*, Nashville, August, 2007 (Symposium in honor of Jeff Elman: *Language as a Dynamical System*).
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