

Ashley Chung-Fat-Yim, Ph.D.

Northwestern University

Department of Communication Science and Disorders

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Professional Appointments

2020–Present Post-Doctoral Scholar, Northwestern University
The Roxelyn and Richard Pepper Department of Communication Sciences and Disorders
Principal Investigator: Dr. Viorica Marian

Education

2020 York University, Psychology, Ph.D.
Dissertation: *Examining the Time Course of Attention in Monolinguals and Bilinguals*
Committee: Dr. Ellen Bialystok, Dr. Joseph DeSouza, Dr. Thanujeni Pathman, Dr. Debra Titone, Dr. Scott Adler, & Dr. Chandan Narayan

2013 York University, Psychology, M.A.
Thesis: *Resolving Between-Language and Within-Language Competition in Bilinguals*
Committee: Dr. Ellen Bialystok, Dr. Raymond A. Mar, Dr. Janice Johnson, & Dr. Carol Fraser

2010 York University, Psychology, B.Sc.
Honors Thesis: *Forbidden Zone for Single Vision*
Supervisor: Dr. Hiroshi Ono
Recipient of the W. B. Templeton Award

Research Funding

2021–2023 Co-Investigator (P.I.: Dr. Viorica Marian). *How the African-American English Dialect Impacts Medical Evaluations*. Delaney Foundation for Research and Communication, Co-Investigators: Dr. Sayuri Hayakawa, Kaniya Hester, and Ryan Wagner. \$49,940.72 USD.

Under Review Co-Investigator (P.I.: Dr. Viorica Marian). *Cognitive Architecture of Bilingual Language Processing*. National Institutes of Health, NICHD R01, Co-Investigators: Dr. Sayuri Hayakawa. \$3,568,294 USD.

Publications and Presentations

Peer-Reviewed Journal Articles

1. **Chung-Fat-Yim, A.**, Lo, R. F., & Mar, R. A. (in principle acceptance – Registered Report). Multilingualism and mentalizing abilities in adults. *Bilingualism: Language and Cognition*.
2. **Chung-Fat-Yim, A.**, Chen, P., Chan, A. H. D., & Marian, V. (accepted). Audio-visual interactions during emotion processing in bicultural bilinguals. *Motivation and Emotion*.
3. **Chung-Fat-Yim, A.**, Calvo, N., & Grundy, J. G. (in press). The multifaceted nature of bilingualism and attention. *Frontiers in Psychology*. <https://doi.org/10.3389/fpsyg.2022.910382>
4. Bialystok, E., Hawrylewicz, K., Grundy, J. G., & **Chung-Fat-Yim, A.** (2022). The swerve: How childhood bilingualism changed from liability to benefit. *Developmental Psychology*. *Advance Online Publication*, 1-12. <https://doi.org/10.1037/dev0001376>

- Also appears as “[Does bilingualism make children smarter?](#)” in Kudos Research Showcase by the *American Psychological Association*.
- 5. Chen, P., **Chung-Fat-Yim, A.**, & Marian, V. (2022). Cultural immersion experience influences multisensory emotion perception in bilinguals. *Languages*, 7(1), 12. *Selected as [the issue cover](#).
- 6. **Chung-Fat-Yim, A.**, Poarch, G. J., Comishen, K. J., & Bialystok, E. (2021). Does language context impact the neural correlates of executive control in monolingual and multilingual young adults? *Brain and Language*, 222, 105011.
- 7. **Chung-Fat-Yim, A.**, Sorge, G. B., & Bialystok, E. (2020). Continuous effects of bilingualism and attention on flanker task performance. *Bilingualism: Language and Cognition*, 23(5), 1106–1111.
- 8. **Chung-Fat-Yim, A.**, Himel, C., & Bialystok, E. (2019). The impact of bilingualism on executive function in adolescents. *International Journal of Bilingualism*, 23(6), 1278–1290.
- 9. **Chung-Fat-Yim, A.**, Cilento, E., Piotrowska, E., & Mar, R. A. (2019). Are stories just as transporting when not in your native tongue? *Language and Cognition*, 11(2), 285–309.
- 10. Anderson, J. A. E.*, **Chung-Fat-Yim, A.***, Bellana, B., Luk, G., & Bialystok, E. (2018). Language and cognitive control networks in monolingual and bilingual young adults. *Neuropsychologia*, 117, 352–363. *joint first authorship.
- 11. **Chung-Fat-Yim, A.**, Peterson, J. B., & Mar, R. A. (2017). Validating self-paced sentence-by-sentence reading: Story comprehension, recall, and narrative transportation. *Reading and Writing*, 30(4), 857–869.
- 12. **Chung-Fat-Yim, A.**, Sorge, G. B., & Bialystok, E. (2017). The relationship between bilingualism and selective attention: Evidence from the ambiguous figures task. *Quarterly Journal of Experimental Psychology*, 70(3), 366–372.
- 13. Grundy, J. G., **Chung-Fat-Yim, A.**, Friesen, D. C., Mak, L., & Bialystok, E. (2017). Sequential congruency effects reveal differences in disengagement of attention for monolingual and bilingual young adults. *Cognition*, 163, 42–55.
- 14. Li, H., Jia, H., **Chung-Fat-Yim, A.**, Jin, L., & Yu, D. (2017). The neural correlates of vertical disparity gradient and cue conflict in Panum’s limiting case. *Brain and Cognition*, 114, 11–19.
- 15. Friesen, D. C., **Chung-Fat-Yim, A.**, & Bialystok, E. (2016). Lexical selection differences between monolingual and bilingual listeners. *Brain and Language*, 152, 1–13.
- 16. **Chung-Fat-Yim, A.**, & Ono, H. (2012). Mapping the “forbidden zone” near and away from the fixation point. *Perception*, 41(6), 661–672.

Book Chapters

- 17. **Chung-Fat-Yim, A.**, & Bialystok, E. (2022). Language and thought in multilingual children. In Stavans, A. & Jessner, U. (Eds.), *The Cambridge Handbook of Child and Childhood Multilingualism* (pp. 113-140). Cambridge University Press.
- 18. **Chung-Fat-Yim, A.**, Hayakawa, S., & Marian, V. (accepted). Multilingualism and cognitive control in the brain. In J. Cabrelli, A. Chaouch-Orozco, J. González Alonso, S. M. Pereira Soares, E. Puig-

Mayenco, & J. Rothman (Eds.), *The Cambridge Handbook of Third Language Acquisition and Processing*. Cambridge University Press.

19. Grundy, J. G., & **Chung-Fat-Yim, A.** (accepted). Domain-general electrophysiological changes associated with bilingualism. In G. Luk, J. A. E. Anderson, & J. G. Grundy (Eds), *Understanding Language and Cognition through Bilingualism*. John Benjamins Publishing Company.

Manuscripts Under Review or In Preparation

Chen, P., **Chung-Fat-Yim, A.**, Guo, T., & Marian, V. (under review). The influence of cultural background and input familiarity on multisensory emotion perception. *Cultural Diversity and Ethnic Minority Psychology*.

Chung-Fat-Yim, A., Bartolotti, J., & Marian, V. (in preparation). Language experience and bigram frequencies influence rapid automatized naming. *Journal of Experimental Psychology: Learning, Memory, and Cognition*.

Chung-Fat-Yim, A., Bobb, S. C., Chen, P., Hoshino, N., & Marian, V. (abstract accepted to special issue). Bilingualism alters the neural correlates of attention in an auditory oddball paradigm. *Translational Issues in Psychological Science*.

Hayakawa, S., **Chung-Fat-Yim, A.**, & Marian, V. (abstract submitted to special issue). Linguistic predictors of language proficiency and cultural identification in heritage bilinguals. *Frontiers in Communication*.

Chung-Fat-Yim, A., Grundy, J. G., Wagner, D., Timmer, K., & Bialystok, E. (in preparation). Bilingualism modifies attention away from faces. *Emotion*.

Shi, Y., Gao, Y., Ren, J., **Chung-Fat-Yim, A.**, Jia, X., Xu, S., & Li, H. (in preparation). The effect of perceptual learning on the sensitivity and stability of double fusion in Panum's Limiting Case. *Vision Research*.

Chung-Fat-Yim, A., & Marian, V. (in preparation). The prevalence of bilingualism around the world.

Chung-Fat-Yim, A., Berthele, R., Bialystok, E., & Mar, R. A. (in preparation). Does the Foreign Language Effect extend to narrative transportation?

Invited Talks

Chung-Fat-Yim, A. (2021, December). *The cognitive benefits associated with learning a second language*. Invited talk given at the German International School Chicago Open House, Chicago, IL.

Chung-Fat-Yim, A. (2021, October). *How learning a second language shapes the mind and brain*. Invited talk given as part of the Faculty/Staff Development Day at the German International School Chicago, Chicago, IL.

Chung-Fat-Yim, A. (2021, August). *Bilingualism's positive impact on cognitive development*. Invited talk given as part of the International Student Program Culture of Language Speaker Series at the California Institute of Technology, Pasadena, CA.

- Chung-Fat-Yim, A.** (2020, November). *The cognitive effects of being bilingual*. Invited talk given at the brownbag talk series in the Cognitive Program at University of Illinois at Chicago, Chicago, IL.
- Chung-Fat-Yim, A.** (2019, October). *Are stories just as transporting in your foreign language?* Invited talk given at the Institute of Multilingualism, Fribourg, Switzerland.
- Chung-Fat-Yim, A.** (2019, September). *A closer look at bilingualism and executive functioning*. Invited talk given to the *Bilingualism and Psycholinguistics Research Group*, Evanston, IL.
- Chung-Fat-Yim, A.** (2018, November). *How does learning two languages impact cognitive development?* Invited talk given at the 2nd annual Bilingual Education Fair, San Francisco, CA.
- Chung-Fat-Yim, A.** (2018, February). *Growing up with two languages: The effect of bilingualism on cognitive development*. Invited talk given at the 1st annual Bilingual Education Fair, San Francisco, CA.

Conference Presentations

- Chung-Fat-Yim, A.,** Marian, V., & Bartolotti, J. (submitted). *The influence of language experience and bigram frequencies on rapid automatized naming*. Poster submitted to the annual meeting of the Psychonomic Society, Boston, MA.
- Williams, A. I., **Chung-Fat-Yim, A.,** Haack, L., Marian, V., Pfiffner, L. (submitted). *Promising effects of socioemotional skills training in bilingual children with attention and behavioral concerns*. Poster submitted to the American Congress of Rehabilitation Medicine, Chicago, IL.
- Chung-Fat-Yim, A.,** Chen, P., & Marian, V. (2022, August). *Cultural immersion and experience shape emotion perception in bilinguals*. Poster accepted for the 4th International Symposium on Bilingual and L2 Processing in Adults and Children, Tromsø, Norway.
- Chung-Fat-Yim, A.,** Chen, P., & Marian, V. (2022, May). *Culture and input familiarity influence emotion perception in bilinguals*. Talk to be presented as part of the symposium on Multilingualism and Emotion chaired by Stephen Chen and Aya Williams at the Association for Psychological Science, Chicago, IL.
- Jesin, D., **Chung-Fat-Yim, A.,** & Bialystok, E. (2018, August). *Looking beyond RTs: The effect of bilingualism on executive control*. Poster presented at the Summer 2018 NSERC Undergraduate Research Conference, Toronto, Ontario
- Chung-Fat-Yim, A.,** & Mar, R. A. (2018, July). *Narrative transportation for text in one's first or second language*. Poster presented at the 28th annual meeting for the Society of Text and Discourse, Brighton, United Kingdom.
- Chung-Fat-Yim, A.,** Grundy, J. G., Barker, R. M., Anderson, J. A. E., & Bialystok, E. (2017, October). *Brain signal complexity differences between monolingual and bilingual children*. Poster presented at the 10th biennial meeting of the Cognitive Development Society, Portland, Oregon.
- Chung-Fat-Yim, A.,** Peterson, J. B., & Mar, R. A. (2016, July). *Self-paced sentence-by-sentence reading on story comprehension, recall, and narrative transportation*. Poster presented at the 23rd annual meeting for the Scientific Study of Reading, Porto, Portugal.

Li, H., Jia, H., **Chung-Fat-Yim, A.**, Jin, L., & Yu, D. (2016, May). *Neural correlates of vertical disparity gradient and cue conflict in Panum's limiting case*. Poster accepted for presentation at the 16th annual meeting for the Vision Sciences Society, St. Pete Beach, Florida.

Chung-Fat-Yim, A., Berkes, M., Mesite, L., Bellana, B., Luk, G., & Bialystok, E. (2015, May). *Structural and functional differences between monolingual and bilingual young adults*. Poster presented at the Workshop on Bilingualism and Executive Function, New York City, New York.

Chung-Fat-Yim, A., Mesite, L., Bellana, B., Luk, G., & Bialystok, E. (2015, March). *White matter differences in monolingual and bilingual young adults*. Poster presented at the 22nd annual meeting of the Cognitive Neuroscience Society, San Francisco, California.

Chung-Fat-Yim, A., Friesen, D. C., Timmer, K., & Bialystok, E. (2014, July). *Electrophysiological differences between monolinguals and bilinguals on the flanker task*. Poster presented at the 24th annual meeting of the Canadian Society for Brain, Behaviour and Cognitive Sciences, Toronto, Ontario.

Chung-Fat-Yim, A., Friesen, D., & Bialystok, E. (2013, November). *Lexical resolution from semantic competitors in monolinguals and bilinguals*. Poster presented at the 54th annual meeting of the Psychonomics Society, Toronto, Ontario.

Sorge, G. B., Hawrylewicz, K., **Chung-Fat-Yim, A.**, & Bialystok, E. (2013, October). *Do bilingualism and attentional difficulties interact in executive function performance?* Poster presented at the 8th biennial meeting of the Cognitive Developmental Society, Memphis, Tennessee.

Chung-Fat-Yim, A., & Ono, H. (2010, April). *The forbidden zone for single vision*. Poster presented at the York University Undergraduate Thesis Poster Day, Toronto, Ontario.

Awards and Distinctions

2022	OPA Professional Development Travel Grant, Northwestern University, \$800 USD
2019	Mitacs Globalink Research Award, \$6,000 CAD
2019	ThinkSwiss Research Scholarship, 3,720 CHF
2018	Society for Text and Discourse Student Travel Award
2018	Faculty of Health Graduate Student Conference Travel Award, \$1,000 CAD
2016	Ontario Graduate Scholarship, Ontario Ministry of Training, College, and Universities, \$15,000 CAD
2016	Faculty of Health Graduate Student Conference Travel Award, \$1,000 CAD
2014	Ontario Graduate Scholarship, Ontario Ministry of Training, College, and Universities, \$15,000 CAD
2013	Ontario Graduate Scholarship, Ontario Ministry of Training, College, and Universities, \$15,000 CAD
2011	York Graduate Entrance Scholarship, \$4,000 CAD
2010	W. B. Templeton Award, York University, \$100 CAD
2010	Certificate of Academic Excellence - Honours Thesis, Canadian Psychological Association
2010	Member of the Golden Key Honours Society
2009	York University Continuing Student Scholarship
2009	Selected to attend the Centre for Vision Research Summer School

2007–2010 Dean's Honours Roll, York University
 2006 York University Entrance Scholarship, \$1,000 CAD

Research Experience

2012–2020 ERP manager, Lifespan Cognition and Development Laboratory, York University
 2014–2019 Journal Club Coordinator, Lifespan Cognition and Development Laboratory, York University
 2015–2016 ERP data consultant, Wilcox Laboratory, York University, Dr. Laurie Wilcox
 2015 E-Prime specialist, Attention and Memory Laboratory, University of Toronto, Dr. Fergus Craik
 2014 Project Assistant, Project Title: Enhancing IEN Academic and Professional Language Competencies through Fair and Effective Systems Change, York University, Dr. Lillie Lum
 2008–2010 Research Assistant, Ono Lab, York University, Dr. Hiroshi Ono

Teaching Experience

Teaching Assistantships

- Introduction to Psychology
- Developmental Psychology
- Personality
- Biological Basis of Behaviour
- Cognition
- Social Psychology
- Introduction to Research Methods

Guest Lectures

2022, Winter CSD 207, "Culture and Emotional Development", Northwestern University
 2022, Winter CSD 207, "Cognitive Development in Bilinguals", Northwestern University
 2019, Winter PSYC 2110, "Emotional Development", York University
 2016, Summer PSYC 4010, "Introduction to Developmental Psychology", York University
 2012, Fall PSYC 2030, "Structure of a Paper and the APA format", York University
 2012, Fall PSYC 2030, "Quasi-Experimental Design and Applied Research", York University

Mentoring

2018 David Jesin, NSERC Undergraduate Student, Project Title: *Looking beyond RTs: The impact of bilingualism on executive control.*
 2014–2016 Cari Himel, Science Research Program at Horace Greeley High School, Chappaqua, New York, Project Title: *Examining the relationship between executive control and bilingualism in high school students.*
 2013–2014 Angelina Pinhasov, Independent Study Student, Project Title: *Tapping into executive functions using language contexts.*

Graduate Level Coursework

- Multivariate Analysis

- Research Practicum III
- Lifespan Cognitive Development and Change
- Introduction to Functional Magnetic Resonance Imaging
- Research Practicum II
- Human Neuropsychology: History and Syndromes
- Historical & Theoretical Foundations of Contemporary Psychology B
- Research Methodology for Developmental Psychology
- Univariate Statistical Analysis
- Research Practicum I

Professional Activities

- 2022-2023 Associate Editor, Special Issue on “Bilingualism and multilingualism: Language, cognition, and the brain” for APA and APAGS *Translational Issues in Psychological Science*
- 2022 Planning Committee, 1st International Workshop on Cybersecurity and Social Sciences
- 2021–Present Expert Member, Language and the Brain, Bilingualism Matters Chicago
- 2016–2018 Developmental Science Area Coordinator, York University
- 2011–2013 Departmental Representative, Psychology Graduate Students Association, York University
- 2011–2013 Mentor, Guidance in Psychology for Success, York University

Service

Ad Hoc Journal Reviewer

- 2016–Present *Applied Psycholinguistics, Brain and Language, Cognitive Sciences, International Journal of Bilingualism, Journal of Experimental Child Psychology, Languages, Linguistic Approaches to Bilingualism, Quarterly Journal of Experimental Psychology, Studies in Second Language Learning and Teaching*

Conference Abstract Reviewer

- 2022 *International Symposium on Bilingual and L2 Processing in Adults and Children.*

Invited Panelist

- 2022 *Uncovering the Secrets of Graduate School: The Grant Process at the Association for Psychological Science*
- 2022 *Career Networking Session at the Association for Psychological Science*

Membership

- 2022–Present Society for the Neurobiology of Language
- 2022–Present Association for Psychological Science
- 2020–Present American Association for the Advancement of Science
- 2020–Present Psychonomic Society
- 2020–Present Women in Cognitive Science

Media Coverage

- 2021/12/6 *Chicago Parent*, The value of bilingual education.
2020/5/5 *Discover Magazine*, How learning a language changes your brain.
2019/2/6 *Lycée Français de San Francisco*, The gift of bilingualism starts early!
2018/11/6 *Frenchly*, The hidden powers of the bilingual brain.

Relevant Skills

- SPSS
- SAS
- OpenSesame
- E-Prime
- EEGLab and ERPLab toolboxes in MATLAB
- Microsoft Office

References

Dr. Viorica Marian
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Department of Psychology, York University
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Dr. John G. Grundy
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