

Ashley Chung-Fat-Yim, Ph.D.

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Professional Appointments

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

Education

Date	Degree	Institution
2020	Ph.D.	York University, Psychology Supervisor: Dr. Ellen Bialystok Dissertation: <i>Examining the Time Course of Attention in Monolinguals and Bilinguals</i>
2013	M.A.	York University, Psychology Supervisor: Dr. Ellen Bialystok Thesis: <i>Resolving Between-Language and Within-Language Competition in Bilinguals</i>
2010	B.Sc.	York University, Psychology Supervisor: Dr. Hiroshi Ono Honours Thesis: <i>Forbidden Zone for Single Vision</i>

Publications

Peer-Reviewed Journal Articles

- Chung-Fat-Yim, A.**, Poarch, G. J., Comishen, K. J., & Bialystok, E. (accepted). Does language context impact the neural correlates of executive control in monolingual and multilingual young adults? *Brain and Language*.
- 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.
- 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.
- 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.
- 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.

- 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.
- 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.
- 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.
- 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.
- Friesen, D. C., **Chung-Fat-Yim, A.**, & Bialystok, E. (2016). Lexical selection differences between monolingual and bilingual listeners. *Brain and Language, 152*, 1–13.
- 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

- Chung-Fat-Yim, A.**, & Bialystok, E. (accepted). Language and thought in multilingual children. In Stavans, A. & Jessner, U. (Eds.), *The Cambridge Handbook of Child and Childhood Multilingualism*. Cambridge University Press.
- 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.), *Cambridge Handbook of Third Language Acquisition and Processing*. Cambridge University Press.
- Grundy, J. G., & **Chung-Fat-Yim, A.** (accepted pending revisions). 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

- Bialystok, E., Hawrylewicz, K., Grundy, J. G., & **Chung-Fat-Yim, A.** (revision submitted). The swerve: How childhood bilingualism changed from liability to benefit. *Developmental Psychology*.
- Chung-Fat-Yim, A.**, Lo, R. F., & Mar, R. A. (revision submitted for Stage 1 Registered Report). Multilingualism and mentalizing abilities in adults. *Bilingualism: Language and Cognition*.
- Chen, P., **Chung-Fat-Yim, A.**, Guo, T., & Marian, V. (in preparation). The influence of cultural background and input familiarity on the multisensory perception of emotion.
- Chen, P., **Chung-Fat-Yim, A.**, & Marian, V. (in preparation). Does cultural immersion and level of exposure alter multisensory emotion perception in Chinese-English bilinguals?
- Chung-Fat-Yim, A.**, Chen, P., Chan, A. H. D., & Marian, V. (in preparation). Audio-visual interactions during emotion processing in bicultural bilinguals.

Chung-Fat-Yim, A., Calvo, N., & Grundy, J. G. (in preparation). Pay attention to bilingualism: A focused review on different types of bilingualism and attention.

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.

Invited Talks

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 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 at the 1st annual Bilingual Education Fair, San Francisco, CA.

Conference Presentations

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

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| 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

Year	Position
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2012–2020	ERP manager, Lifespan Cognition and Development Laboratory, York University, Dr. Ellen Bialystok
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 Lecturer

Year	Course and Lecture
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

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

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

Year	Position
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

Membership

- American Association for the Advancement of Science
- Psychonomic Society
- Women in Cognitive Sciences

Ad Hoc Reviewer

Applied Psycholinguistics, Cognitive Sciences, International Journal of Bilingualism, Journal of Experimental Child Psychology, Linguistic Approaches to Bilingualism, Quarterly Journal of Experimental Psychology, Studies in Second Language Learning and Teaching

Relevant Skills

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

Media Coverage

2021 May – Discover Magazine – How learning a language changes your brain.
 2019 February – Lycée Français de San Francisco – The gift of bilingualism starts early!
 2018 November – Frenchly – The hidden powers of the bilingual brain.

References

Dr. Viorica Marian

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Dr. Raymond A. Mar

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