

# Ashley Chung-Fat-Yim, Ph.D.

Email: [ashley.chungfatyim@umanitoba.ca](mailto:ashley.chungfatyim@umanitoba.ca)

Webpage: <https://sites.google.com/site/ashleykchungfatyim/home>

Citizenship: Canadian

## PROFESSIONAL APPOINTMENTS

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- 2025– Assistant Professor, University of Manitoba  
Psychology Department, Area: Brain and Cognitive Science
- 2023–2024 Research Assistant Professor, Northwestern University  
Department of Communication Sciences and Disorders  
Principal Investigator: Dr. Viorica Marian
- 2020–2023 Postdoctoral Scholar, Northwestern University  
Department of Communication Sciences and Disorders  
Principal Investigator: Dr. Viorica Marian

## EDUCATION

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- 2020 York University, Psychology, Ph.D. (Area: Developmental Science)  
Dissertation: *Examining the Time Course of Attention in Monolinguals and Bilinguals*  
Supervisor: Dr. Ellen Bialystok
- 2013 York University, Psychology, M.A. (Area: Developmental Science)  
Thesis: *Resolving Between-Language and Within-Language Competition in Bilinguals*  
Supervisor: Dr. Ellen Bialystok
- 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 INTERESTS

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cognitive neuroscience; bilingualism; language experience; executive function  
multisensory emotion processing; cross-cultural research  
narrative transportation; discourse processing  
event-related potentials; behavioral assessments; experimental design

## RESEARCH FUNDING

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- 2022–2027 Co-Investigator (P.I.: Dr. Viorica Marian) USD \$3,568,294  
*Cognitive Architecture of Bilingual Language Processing.*  
National Institutes of Health, NICHD R01  
Co-Investigator: Dr. Sayuri Hayakawa
- 2022–2024 Co-Investigator (P.I.: Dr. Viorica Marian) USD \$49,941  
*How the African-American English Dialect Impacts Medical Evaluations.*

Delaney Foundation for Research and Communication  
Co-Investigator: Dr. Sayuri Hayakawa

## AWARDS AND DISTINCTIONS

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2025	MPA Graduate Student Paper Award (Co-Author), \$200 USD
2025	Editorial Fellow, <i>Developmental Psychology</i> , \$1,000 USD
2023	OPA Travel Grant for Underfunded Disciplines, Northwestern University, \$800 USD
2022	Best Paper Award Winner, Languages, 500 CHF
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, \$350 CAD
2018	Faculty of Health Graduate Student Conference Travel Award, \$1,000 CAD
2016	Ontario Graduate Scholarship, \$15,000 CAD
2016	Faculty of Health Graduate Student Conference Travel Award, \$1,000 CAD
2014	Ontario Graduate Scholarship, \$15,000 CAD
2013	Ontario Graduate Scholarship, \$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
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

## PUBLICATIONS AND PRESENTATIONS

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**Peer-Reviewed Journal Articles:** 22 (14 first-authored)

**Book Chapters:** 8 (4 first-authored)

**Other Academic Peer-Reviewed Publications:** 1 (1 first-authored)

### Peer-Reviewed Journal Articles

**Chung-Fat-Yim, A.,** Hayakawa, S., & Marian, V. (2025). Language experience influences performance on the NIH Toolbox Cognition Battery: A cluster analysis. *Humanities and Social Sciences Communications*, 12, 63. <https://doi.org/10.1057/s41599-025-04360-7>

Chen, P., **Chung-Fat-Yim, A.,** Guo, T., & Marian, V. (2024). The influence of cultural background and input familiarity on multisensory emotion perception. *Cultural Diversity and Ethnic Minority Psychology*, 30(3), 487-496. <https://doi.org/10.1037/cdp0000577>

**Chung-Fat-Yim, A.,** Kubota, M., Rocha-Hidalgo, J., & Marian, V. (2023). Translational approaches to bilingualism and multilingualism research. *Translational Issues in Psychological Science*, 9(4), 317-322. <https://doi.org/10.1037/tps0000380>

Shi, Y., Zhang, J., Lin, W., **Chung-Fat-Yim, A.,** Yang, Q., & Li, H. (2023). The effect of perceptual learning on the sensitivity and stability of double fusion in Panum's Limiting Case. *Attention, Perception, and Psychophysics*, 85, 2894-2906. <https://doi.org/10.3758/s13414-023-02795-1>

- Chung-Fat-Yim, A.**, Bobb, S. C., Hoshino, N., & Marian, V. (2023). Bilingualism alters the neural correlates of sustained attention. *Translational Issues in Psychological Science*, 9(4), 409-421. <https://doi.org/10.1037/tps0000373>
- Chung-Fat-Yim, A.**, Lo, R. F., & Mar, R. A. (2023). Multilingualism and mentalizing abilities in adults. *Bilingualism: Language and Cognition*, 26(2), 456-467. <https://doi.org/10.1017/S1366728922000669>
- Chung-Fat-Yim, A.**, Chen, P., Chan, A. H. D., & Marian, V. (2022). Audio-visual interactions during emotion processing in bicultural bilinguals. *Motivation and Emotion*, 46(5), 719-734. <https://doi.org/10.1007/s11031-022-09953-2>
- Hayakawa, S., **Chung-Fat-Yim, A.**, & Marian, V. (2022). Predictors of language proficiency and cultural identification in heritage bilinguals. *Frontiers in Communication*, 7, 994709. <https://doi.org/10.3389/fcomm.2022.994709>
- Bialystok, E., Hawrylewicz, K., Grundy, J. G., & **Chung-Fat-Yim, A.** (2022). The swerve: How childhood bilingualism changed from liability to benefit. *Developmental Psychology*, 58(8), 1429-1440. <https://doi.org/10.1037/dev0001376>
- Also appears as “[Does bilingualism make children smarter?](#)” in Kudos Research Showcase by the *American Psychological Association*.
- Chung-Fat-Yim, A.**, Calvo, N., & Grundy, J. G. (2022). The multifaceted nature of bilingualism and attention. *Frontiers in Psychology*, 13, 910382. <https://doi.org/10.3389/fpsyg.2022.910382>
- Chen, P., **Chung-Fat-Yim, A.**, & Marian, V. (2022). Cultural immersion experience influences multisensory emotion perception in bilinguals. *Languages*, 7(1), 12. <https://doi.org/10.3390/languages7010012> \*Selected as [the issue cover](#) and recipient of the [Best Paper Award](#).
- 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. <https://doi.org/10.1016/j.bandl.2021.105011>
- 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. <https://doi.org/10.1017/s1366728920000036>
- 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. <https://doi.org/10.1177/1367006918781059>
- 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. <https://doi.org/10.1017/langcog.2019.15>
- 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. <https://doi.org/10.1016/j.neuropsychologia.2018.06.023> \*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. <https://doi.org/10.1007/s11145-016-9704-2>
- 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. <https://doi.org/10.1080/17470218.2016.1221435>
- 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. <https://doi.org/10.1016/j.cognition.2017.02.010>
- 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. <https://doi.org/10.1016/j.bandc.2017.02.005>
- Friesen, D. C., **Chung-Fat-Yim, A.**, & Bialystok, E. (2016). Lexical selection differences between monolingual and bilingual listeners. *Brain and Language, 152*, 1-13. <https://doi.org/10.1016/j.bandl.2015.11.001>
- Chung-Fat-Yim, A.**, & Ono, H. (2012). Mapping the "forbidden zone" near and away from the fixation point. *Perception, 41*(6), 661-672. <https://doi.org/10.1068/p7201>

#### Book Chapters

- Chung-Fat-Yim, A.**, Fernandez-Duque, M., & Marian, V. (2024). Multilingualism, creativity, and problem-solving. In E. Babatsouli (Ed.), *Multilingual acquisition and learning: Towards an ecosystemic view to diversity*. John Benjamins Publishing Company. <https://doi.org/10.1075/sibil.67.01chu>
- Bialystok, E., Hawrylewicz, K., Grundy, J. G., & **Chung-Fat-Yim, A.** (2024). Chapter 10 - The swerve: How childhood bilingualism changed from liability to benefit. In E. Bialystok (Ed.). *Where Language Meets Thought: Selected Works of Ellen Bialystok*. Routledge. <https://doi.org/10.4324/9781003412427-15> (This is a 2022 *Developmental Psychology* article reprinted as a book chapter.)
- Hayakawa, S., **Chung-Fat-Yim, A.**, & Marian, V. (2024). Predictors of language proficiency and cultural identification in heritage bilinguals. In F. Bayram, M. Kubota, & S. M. Pereira Soares (Eds.). *Next phase in heritage language studies: Methodological considerations and advancements* (pp. 9-32). Lausanne: Frontiers Media SA. <https://doi.org/10.3389/978-2-8325-4693-2> (This is a 2022 *Frontiers in Communication* article reprinted as a book chapter.)
- Chen, P., **Chung-Fat-Yim, A.**, & Marian, V. (2023). Cultural experience influences multisensory emotion perception in bilinguals. In J. W. Schwieter (Ed.). *Multilingualism: Consequences for the Brain and Mind* (pp. 251-267). MDPI. <https://doi.org/10.3390/books978-3-0365-8038-8> (This is a 2022 *Languages* article reprinted as a book chapter.)
- Chung-Fat-Yim, A.**, Hayakawa, S., & Marian, V. (2023). 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* (pp. 519-554). Cambridge University Press. <https://doi.org/10.1017/9781108957823.021>

Grundy, J. G., & **Chung-Fat-Yim, A.** (2023). Domain-general electrophysiological changes associated with bilingualism. In G. Luk, J. A. E. Anderson, & J. G. Grundy (Eds), *Understanding Language and Cognition through Bilingualism* (pp. 236-262). John Benjamins Publishing Company. <https://doi.org/10.1075/sibil.64.12gru>

**Chung-Fat-Yim, A.**, Calvo, N., & Grundy, J. G. (2023). The multifaceted nature of bilingualism and attention. In M. Antoniou, C. Pliatsikas, & S. R. Schroeder, S. (Eds.). *New approaches to how bilingualism shapes cognition and the brain across the lifespan: Beyond the false dichotomy of advantage versus no advantage* (pp. 100-113). Lausanne: Frontiers Media SA. <https://doi.org/10.3389/978-2-83251-729-1> (This is a 2022 *Frontiers in Psychology* article reprinted as a book chapter.)

**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. <https://doi.org/10.1017/9781108669771.008>

### Other Academic Publication

**Chung-Fat-Yim, A.**, & Rochanavibhata, S. (2025). The Power of Language: How the Codes We Use to Think, Speak, and Live Transform Our Mind by Viorica Marian. *Journal of Cognition and Culture*, 25, 247-253. <https://doi.org/10.1163/15685373-12340210>

### Popular Science Essay

Marian, V., Fernandez-Duque, M., & **Chung-Fat-Yim, A.** (2023, May). The surprising creative power of the multilingual brain. *Fast Company*. May 6, 2023. <https://www.fastcompany.com/90884912/the-surprising-creative-power-of-the-multilingual-brain>

### Manuscripts Submitted and In Preparation

**Chung-Fat-Yim, A.**, Bartolotti, J., & Marian, V. (submitted). Decoding letters: Eye-tracking evidence that bigram frequencies influence reading and naming. *Journal of Psycholinguistic Research*.

Williams, A. I., **Chung-Fat-Yim, A.**, Elmessiry, M., & Marian, V. (in preparation). Depression symptoms differ across languages in bilinguals.

Soto, C., **Chung-Fat-Yim, A.**, & Marian, V. (in preparation). Looking for potential: Co-registration of eye movements and ERPs in bilingualism research.

### Invited and Keynote Talks

**Chung-Fat-Yim, A.** (2025, May). *From words to wires: Exploring the neural correlates of cognitive processing in multilinguals*. Invited **Early Career Keynote Talk** given at the Cognitive neuroscience of individual differences in adult language learning: Future directions, Chicago, IL.

**Chung-Fat-Yim, A.** (2024, March). *The influence of bilingualism on cognitive development*. Invited talk given as part of the Loyola University Neuroscience Seminar Series, Chicago, IL.

**Chung-Fat-Yim, A.** (2023, October). *Consequences of Bilingualism for Cognition*. Invited talk given at the Inaugural Marginalia Community Symposium at Boston College, Boston, MA.

- Chung-Fat-Yim, A.** (2023, April). *How bilingual language experience shapes cognitive abilities*. Invited talk given as part of the symposium titled iBrain Erasmus International Symposium on Heritage Bilingualism. Kotagiri, India. [Remote Talk]
- 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. [Remote Talk]
- 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 Chicago, Chicago, IL. [Remote Talk]
- 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. [Remote Talk]

### Chaired Symposium

- Chung-Fat-Yim, A., & Marian, V.** (2023, May). *Linguistic and Cognitive Processing in Bilinguals and Second Language Learners (Co-Chair)*. Paper symposium co-chaired at *Midwestern Psychological Association*, Chicago, IL.

### Conference Talks

- Elmessiry, M., Williams, A. I., **Chung-Fat-Yim, A.**, & Marian, V. (2025, April). *Language changes how depression symptoms are expressed in Spanish-English bilinguals*. Abstract accepted for a talk at the Midwestern Psychological Association, Chicago, IL. \*Recipient of the MPA Graduate Student Paper Award
- Elmessiry, M., Williams, A. I., **Chung-Fat-Yim, A.**, & Marian, V. (2024, October). *Depression symptoms are expressed differently across languages in bilinguals*. Talk presented at the Bilingualism Forum, Chicago, IL.
- Chung-Fat-Yim, A.**, Hayakawa, S., & Marian, V. (2023, August). *Bilingualism experience shapes linguistic and cognitive abilities*. Talk presented as part of the symposium titled Consequences of Bilingualism for Memory and Cognition chaired by Drs. Sirada Rochanavibhata and Viorica Marian at the Society for Applied Research in Memory and Cognition, Nagoya, Japan.
- Chung-Fat-Yim, A.**, Hayakawa, S., & Marian, V. (2023, April). *Bilingualism predicts NIH Toolbox Cognition Battery scores: A cluster analysis*. Talk presented as part of the symposium on Linguistic and Cognitive Processing in Bilinguals and Second Language Learners chaired by Drs. **Ashley Chung-Fat-Yim** and Viorica Marian at the Midwestern Psychological Association, Chicago, IL.
- Williams, A. I., **Chung-Fat-Yim, A.**, Haack, L., Marian, V., & Pfiffner, L. (2022, November). *Promising effects of socioemotional skills training in bilingual children with attention and behavioral concerns*. Talk presented at the American Congress of Rehabilitation Medicine, Chicago, IL.

**Chung-Fat-Yim, A.,** Chen, P., & Marian, V. (2022, May). *Culture and input familiarity influence emotion perception in bilinguals*. Talk presented as part of the symposium on Multilingualism and Emotion chaired by Drs. Stephen Chen and Aya Williams at the Association for Psychological Science, Chicago, IL.

#### Conference Poster Presentations

Fernandez-Duque, M., **Chung-Fat-Yim, A.,** & Marian, V. (2025, June). *Associative thinking in bilinguals: How dual-language experience influences conceptual associations*. Abstract accepted to the International Symposium on Bilingualism, San Sebastian, Spain.

Soto, C., **Chung-Fat-Yim, A.,** & Marian, V. (2025, June). *Vino, beer and beans: An eye-tracking and EEG co-registration recipe for how phonological overlap across languages boosts semantic associations in bilinguals*. Abstract accepted to the International Symposium on Bilingualism, San Sebastian, Spain.

Fernandez-Duque, M., **Chung-Fat-Yim, A.,** & Marian, V. (2025, June). *Language proficiency and dominance shape performance on the Alternate Uses Task in bilinguals*. Abstract accepted to the International Symposium on Bilingualism, San Sebastian, Spain.

Sung, N. Y., Soto, C., **Chung-Fat-Yim, A.,** & Marian, V. (2025, April). *Unrelated yet connected: How phonological overlap across languages rewires semantic associations in bilinguals*. Abstract accepted to the Midwestern Psychological Association, Chicago, IL.

**Chung-Fat-Yim, A.,** Chen, P., & Marian, V. (2024, December). *The influence of culture on multisensory emotion perception in bicultural bilinguals*. Poster presented at the American Speech-Language-Hearing Association, Seattle, WA.

**Chung-Fat-Yim, A.,** Chen, P., & Marian, V. (2024, November). *Culture influences multisensory emotion perception in bicultural bilinguals*. Poster presented at the Auditory Perception, Cognition, and Action Meeting, New York City, NY.

Fernandez-Duque, M., **Chung-Fat-Yim, A.,** & Marian, V. (2024, November). *Dual-language experience influences divergent thinking*. Poster presented at the annual meeting of the Psychonomic Society, New York City, NY.

**Chung-Fat-Yim, A.,** Bartolotti, J., & Marian, V. (2022, November). *The influence of language experience and bigram frequencies on rapid automatized naming*. Poster presented virtually at the 63<sup>rd</sup> annual meeting of the Psychonomic Society, Boston, MA.

**Chung-Fat-Yim, A.,** Chen, P., & Marian, V. (2022, August). *Cultural immersion and experience shape emotion perception in bilinguals*. Poster presented at the 4<sup>th</sup> International Symposium on Bilingual and L2 Processing in Adults and Children, Tromsø, Norway.

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 28<sup>th</sup> 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 10<sup>th</sup> 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 23<sup>rd</sup> annual meeting at the Society for 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 16<sup>th</sup> 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 22<sup>nd</sup> 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 24<sup>th</sup> 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 54<sup>th</sup> annual meeting of the Psychonomic 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 8<sup>th</sup> 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.

### Public Engagement

- Chung-Fat-Yim, A.** (2024, May). *My journey as a cognitive neuroscientist*. Invited talk given at Northside College Preparatory High School, Chicago, IL.
- 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 and Staff Development Day at the German International School Chicago, Chicago, IL. [Remote Talk]
- Chung-Fat-Yim, A.** (2018, November). *How does learning two languages impact cognitive development?* Invited talk given at the 2<sup>nd</sup> 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 1<sup>st</sup> annual Bilingual Education Fair, San Francisco, CA.

## RESEARCH EXPERIENCE

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2012–2020    ERP Manager  
 Lifespan Cognition and Development Laboratory, York University, Toronto, Canada

2014–2019    Journal Club Coordinator  
 Lifespan Cognition and Development Laboratory, York University, Toronto, Canada

2015–2016    ERP Data Consultant  
 Wilcox Laboratory, York University, Toronto, Canada

2015          E-Prime Specialist  
 Attention and Memory Laboratory, University of Toronto, Toronto, Canada

2014          Project Assistant  
 York University, Toronto, Canada

2008–2010    Research Assistant  
 Ono Lab, York University, Toronto, Canada

## TEACHING EXPERIENCE

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### Instructor

#### University of Manitoba

2025, Winter    PSYC2480, “Cognitive Processes”

### Co-Instructor

#### Northwestern University

2023, Fall        CSD 469, “Seminar in Communication Sciences and Disorders: Bilingualism”

### Guest Lectures

#### Northwestern University

2024, Spring    CSD 309, “Culture, Language, and Emotion” – Dr. Viorica Marian

2024, Spring    CSD 309, “Cognitive Development and the Bilingual Brain” – Dr. Viorica Marian

2023, Spring    CSD 309, “Impact of Language on Cognitive and Emotional Development” – Dr. Viorica Marian

2023, Winter    CSD 469, “Multilingualism, Culture, and Emotional Development” – Dr. Viorica Marian

2023, Winter    CSD 469, “Multilingualism and Cognitive Development” – Dr. Viorica Marian

2022, Winter    CSD 207, “Culture and Emotional Development” – Dr. Viorica Marian

2022, Winter    CSD 207, “Cognitive Development in Bilinguals” – Dr. Viorica Marian

#### York University

2019, Winter    PSYC 2110, “Emotional Development” – Dr. Ellen Bialystok

2016, Summer   PSYC 4010, “Introduction to Developmental Psychology” – Dr. John G. Grundy

2012, Fall        PSYC 2030, “Structure of a Paper and the APA format” – Dr. Agnieszka Kopinska

2012, Fall        PSYC 2030, “Quasi-Experimental Design and Applied Research” – Dr. Agnieszka Kopinska

#### University of California, Davis

2024, Fall        LIN 182, “Cognitive Development & the Bilingual Brain” – Dr. Luna Filipovic Hawkins

### Teaching Assistantships

#### York University

- 2019, Winter PSYC 2110 – Developmental Psychology - Dr. Ellen Bialystok  
 2018-2019 PSYC 1010 – Introduction to Psychology - Dr. Rebecca Jubis  
 2017, Summer PSYC 2110 – Developmental Psychology - Dr. Scott Adler  
 2016, Summer PSYC 2240 – Biological Basis of Behaviour - Dr. Jennifer Bazaar  
 2016, Fall PSYC 2130 – Motivation - Dr. Frank Marchese  
 2015, Winter PSYC 3260 – Cognition - Dr. Kalinka Timmer  
 2014-2016 PSYC 1010 – Introduction to Psychology - Dr. Rebecca Jubis  
 2013, Fall PSYC 2120 – Social Psychology - Dr. James Check  
 2012, Fall PSYC 2030 – Introduction to Research Methods - Dr. Agnieszka Kopinska  
 2011, Fall PSYC 2030 – Introduction to Research Methods - Dr. Curtis Phillips

### Mentoring

#### Masters Thesis Committee

##### University of Manitoba

- 2025–Present Katérine Aminot  
 Project Title: *Are Current Practices Best Practices? Examining How Forensic Psychologists Assess Linguistically Diverse Individuals in Legal Settings*

#### High School and Undergraduate Research Assistants

##### Northwestern University

- 2024–Present Nikolas Sung  
 Undergraduate Research Assistant, Northwestern University, Evanston, IL  
 Project Title: *Language Co-Activation and Semantic Associations*
- 2023–Present Maya Page
- Summer Internship Grant Program, \$3,500 USD, Northwestern University, Evanston, IL
  - Summer Undergraduate Research Grant, \$4,000 USD, Northwestern University  
 Project Title: *Bilingual Minds: The Influence of Language Co-Activation on Semantic Concepts* (declined)
  - Early Research Experience Award, \$2000 USD, Northwestern University, Evanston, IL  
 Project Title: *Language co-activation during visual word comprehension.*
- 2021–2022 Martina Bernal  
 Science Research Program at Sacred Heart Greenwich High School, Greenwich, CT  
 Project Title: *The role of bilingualism in enhancing adolescents' selective attention using grammatical illusions.*
- 2021 Judy Yu Ying Nie  
 Graduate Research Volunteer, Northwestern University, Evanston, IL  
 Project Title: *The influence of language experience and bigram frequencies on rapid automatized naming.*

##### York University

- 2018 David Jesin  
 NSERC Undergraduate Student, York University, Toronto, Canada  
 Project Title: *Looking beyond RTs: The impact of bilingualism on executive control.*
- 2014–2016 Cari Himel, currently a Senior Product Manager at Credit Karma  
 Science Research Program at Horace Greeley High School, Chappaqua, NY  
 Project Title: *Examining the relationship between executive control and bilingualism in high school students.*
- 2013–2014 Angelina Pinhasov, currently a speech-language pathologist at SpeechAim  
 Independent Study Student, York University, Toronto, Canada  
 Project Title: *Tapping into executive functions using language contexts.*

**External**

- 2024 CogSci 2024 Mentoring Program  
 2024 Summer Mentoring Group Program  
 Association for Women in Science – Chicago Area Chapter  
 2023–2024 Sze Yi (Celine) Tsoi, accepted to PhD program at UC Santa Barbara  
*Cognitive Development Society - Mentorship Program, Virtual*

**ACADEMIC PUBLICATION EDITORSHIP**

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- 2023–2025 International Editorial Board Member  
*Humanities and Social Sciences Communications*  
 2022–2023 Special Issue Associate Editor  
 Bilingualism and multilingualism: Language, cognition, and the brain  
*Translational Issues in Psychological Science*

**PROFESSIONAL SERVICE**

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**Ad Hoc Journal Reviewer**

- 2016–Present *Applied Psycholinguistics, Brain and Language, Cognitive Development, Cognitive Sciences, Developmental Psychology, Frontiers in Education, Frontiers in Human Neuroscience, Frontiers in Psychology, Humanities and Social Sciences Communications, International Journal of Bilingualism, International Journal of Bilingualism and Bilingual Education, Journal of Experimental Child Psychology, Journal of Multilingual Theories and Practices, Languages, Language Learning and Development, Linguistic Approaches to Bilingualism, Multilingualism Matters, Quarterly Journal of Experimental Psychology, Reading and Writing, Studies in Second Language Learning and Teaching*

**Grant Reviewer**

- 2024 *National Science Foundation, Doctoral Dissertation Research Improvement*  
 2024 *Society for Research in Child Development, Small Grants Program*

**Conference Area Co-Chair**

- 2024–2025 *International Symposium on Bilingualism (ISB15)*  
 Area Co-Chair: Cognitive Effects of Bilingualism

**Conference Abstract Reviewer**

- 2023 *International Symposium on Bilingualism (ISB14)*  
 2022 *International Symposium on Bilingual and L2 Processing in Adults and Children*

**Conference Judge**

- 2024, May Undergraduate Research Expo, Northwestern University, Evanston, IL

**Invited Panelist**

- 2024, May “Navigating the academic job market,” *Department of Communication Sciences and Disorders, Northwestern University, Professional Development Seminar*  
 2023, April “Professional Development: Working with Bilinguals and Multilinguals: Research, Practice, and Community,” *Midwestern Psychological Association*  
 2022, May “Uncovering the Secrets of Graduate School: The Grant Process,” *Association for Psychological Science*  
 2022, May “Career Networking Session,” *Association for Psychological Science*

**Membership**

2024–Present Cognitive Science Society  
 2024–Present American Speech-Language-Hearing Association  
 2023–Present Society for Applied Research in Memory and Cognition  
 2022–Present American Congress of Rehabilitation Medicine  
 2020–Present American Association for the Advancement of Science  
 2020–Present Psychonomic Society  
 2020–Present Women in Cognitive Science  
 2023 American Psychological Association  
 2022 Society for the Neurobiology of Language  
 2022 Midwestern Psychological Association  
 2022 Association for Psychological Science

**Workshops**

2024, Feb Northwestern University, The Graduate School, “*Mentoring Up + Down*”  
 1) Maintaining Communication and Aligning Expectations  
 2) Enacting Equity and Inclusion  
 3) Building Self-Efficacy and Developing Professionally  
 2020, June FGS Certificate in Personal Wellness and Learning Skills, York University  
 2017, Feb Mini ERP Boot Camp by Dr. Steve Luck, University of Ottawa, Ottawa, Canada

**PROFESSIONAL ACTIVITIES**

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2023–Present Volunteer  
 Science in Society, Northwestern University, Evanston, IL  
 2022–Present Volunteer at the Brain Awareness Fair (Speech and Language)  
 Brain Awareness Outreach, Northwestern University, Evanston, IL  
 2022 Planning Committee  
 1<sup>st</sup> International Workshop on Cybersecurity and Social Sciences, Nagasaki, Japan  
 2016–2018 Area Coordinator  
 Developmental Science Program, York University, Toronto, Canada  
 2011–2013 Departmental Representative  
 Psychology Graduate Students Association, York University, Toronto, Canada  
 2011–2013 Mentor  
 Guidance in Psychology for Success, York University, Toronto, Canada

**CONSULTING**

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2024 Iryna Kravchuk, Uniwersytet im. Adama Mickiewicza w Poznaniu

**MEDIA COVERAGE**

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2024/03/11 *BBC Future*, [‘A wonderful opportunity’: The adventure of raising bilingual children.](#)  
 2024/02/23 *WNUR News*, [Regional Dialects: Every Corner, Nook and Cranny of the U.S.](#)  
 2024/02/07 *A Penny for Your Thoughts*, [Bilingualism \(feat. Dr. Sirada Rochanavibhata and Dr. Ashley Chung\).](#)  
 2023/12/01 *HeLPiNG Questions Episode*, [The transformative power of language.](#)  
 2023/10/02 *Marginalia Science*, featured in the [October 2023 Newsletter.](#)  
 2022/12/22 *Nuances Podcast*, [S2 E5: A holiday special.](#)

- 2022/07/10 *Nuances Podcast*, [S1 E11: Dr. Ashley Chung-Fat-Yim on how bilinguals' brains differ from monolinguals', and how bilingualism improves performance at other tasks.](#)
- 2021/12/06 *Chicago Parent*, [The value of bilingual education at the German International School Chicago.](#)
- 2020/05/05 *Discover Magazine*, [How learning a language changes your brain.](#)
- 2019/02/06 *Lycée Français de San Francisco*, [The gift of bilingualism starts early!](#)
- 2018/11/06 *Frenchly*, [The hidden powers of the bilingual brain.](#)

## TECHNICAL SKILLS

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

## REFERENCES

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Dr. Viorica Marian  
Ralph and Jean Sundin Endowed Professor  
Department of Communication Sciences and Disorders, Northwestern University  
[v-marian@northwestern.edu](mailto:v-marian@northwestern.edu), 847-491-2420

Dr. Ellen Bialystok  
Distinguished Research Professor of Psychology  
Department of Psychology, York University  
[ellenb@yorku.ca](mailto:ellenb@yorku.ca), 416-736-2100 ext. 66109

Dr. John G. Grundy  
Assistant Professor  
Department of Psychology, Iowa State University  
[grundy@iastate.edu](mailto:grundy@iastate.edu), 515-294-8314