

CURRICULUM VITAE

Emiko J Muraki

PhD Candidate, MSc, BA (Hons), BFA

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EDUCATION

PhD Brain & Cognitive Science, Experimental Psychology University of Calgary, Calgary AB	2020 - Current GPA: 4.0/4.0
M.Sc. Brain & Cognitive Science, Experimental Psychology University of Calgary, Calgary, AB	2018 - 2020 GPA: 4.0/4.0
Bachelor of Arts Honours, First Class, Psychology University of Calgary, Calgary, AB	2018 GPA: 3.9/4.0
Bachelor of Fine Arts, Drama University of Calgary, Calgary, AB	2005 GPA: 3.5/4.0

AWARDS, GRANTS, AND SCHOLARSHIPS

Mitacs Globalink Research Award (\$6,000)	2022
Women in STEM Scholarship (\$2,500)	2022
Faculty of Arts Research Grant (co-applicant, \$15,000)	2021
NSERC Postgraduate Scholarship - Doctoral (\$21,000/year)	2020 - 2022
Izaak Walton Killam Doctoral Scholarship (\$36,000/year value, \$15,000/year held)	2020 - 2021
Eyes High Doctoral Recruitment Scholarship (\$26,000/year value, \$1- \$13,000/year held)	2020 - 2023
Canadian Psychological Association Certificate of Academic Excellence - Master's Thesis	2021
Canadian Council of Departments of Psychology Teaching Assistant Award	2020
NSERC Canada Graduate Scholarship - Master's (\$17,500)	2019
Queen Elizabeth II Graduate (Master's) Research Scholarship (\$10,800)	2018
Faculty of Arts Dean's List	2017
University of Calgary Distinguished Alumni Graduate Fall Convocation	2016
Jason Lang Scholarship Recipient (\$1,000/year)	2002 - 2004
Faculty of Fine Arts Dean's List	2002 - 2004

PEER-REVIEWED PUBLICATIONS

Muraki, E.J., Abdalla, Summer, Brysbaert, M. & Pexman, P.M. (2022). Concreteness ratings for 62 thousand English multiword expressions. *Behavior Research Methods*. Advance online publication.

<https://link.springer.com/article/10.3758/s13428-022-01912-6>

Ibáñez, A., Kühne, K., Miklashevsky, A., Monaco, E., **Muraki, E.**, Ranzini, M., Speed, L.J., & Tuena, C. (2022). The importance of considering individual differences and context to understand embodied language processes. Accepted for publication in *Journal of Cognition*.

Muraki, E.J., Siddiqui, I., & Pexman, P.M. (2022). Quantifying children's sensorimotor experience: Child body-object interaction ratings for 3,359 English words. *Behavior Research Methods*. Advance online publication.

<https://link.springer.com/article/10.3758/s13428-022-01798-4>

Reggin, L.D., **Muraki, E.J.**, & Pexman, P.M. (2021). Children's Acquisition of Abstract Vocabulary. *Frontiers in Psychology*, 12, 2115. <https://www.frontiersin.org/article/10.3389/fpsyg.2021.686478>

Muraki, E.J., & Pexman, P. M. (2021). Simulating semantics: Are individual differences in motor imagery related to sensorimotor effects in language processing? *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 47(12), 1939-1957. <https://psycnet.apa.org/doi/10.1037/xlm0001039>

Muraki, E.J., Cortese, F., Protzner, A.B., & Pexman, P.M. (2020). Heterogeneity in abstract verbs: An ERP study. *Brain and Language*, 211, 104863. <https://doi.org/10.1016/j.bandl.2020.104863>.

Muraki, E.J., Sidhu, D.M., & Pexman, P.M. (2020). Heterogenous abstract concepts: Is "ponder" more embodied than "dissolve"? *Psychological Research*. Advance online publication.

<https://doi.org/10.1007/s00426-020-01398-x>

Muraki, E.J., Sidhu, D.M., & Pexman, P.M. (2020). Mapping semantic space: Property norms and semantic richness. *Cognitive Processing*, 21, 637-649. <https://doi.org/10.1007/s10339-019-00933-y>

Pexman, P.M., **Muraki, E.J.**, Sidhu, D.M., Siakaluk, P.D., & Yap, M.J. (2019). Quantifying sensorimotor experience: Body-object interaction ratings for more than 9,000 English words. *Behavior Research Methods*, 51, 453-466. <https://doi.org/10.3758/s13428-018-1171-z>

MANUSCRIPTS SUBMITTED

Muraki, E.J., Doyle, A., Protzner, A.M., & Pexman, P.M. (2022). Context matters: How do task demands modulate the recruitment of sensorimotor information during language processing? Under review.

OTHER PUBLICATIONS

The Conversation Canada (Authors: **Muraki, E.** & Pexman, P.). *Why children learn how to say 'spoon' before 'sky'*. Published May 2, 2022. Demonstration of Viewership and Reach: 23,096 Reads; Republished by 31 media outlets including CNN and Phys.org. Link: <https://theconversation.com/why-children-learn-how-to-say-spoon-before-sky-177875>

Muraki, E., Mori, C., Kang, H., & Atay, E. (2021, May 26). *Not "Fresh off the Boat": An EDI Committee Blog Post Series - Topic 3: The Myth of the Model Minority*. <https://arts.ucalgary.ca/news/not-fresh-boat-edi-committee-blog-post-series-topic-3-myth-model-minority>

Atay, E., **Muraki, E.**, Kang, H., & Mori, C. (2021, May 19). *Not "Fresh off the Boat": An EDI Committee Blog Post Series - Topic 2: "What are you?" Experiences of the Biracial, Mixed, and Racially Ambiguous*. <https://arts.ucalgary.ca/news/not-fresh-boat-edi-committee-blog-post-series-topic-2-what-are-you-experiences-biracial-mixed-and-1>

Kang, H., Atay, E., Mori, C., & **Muraki E.** (2021, May 13). *Not "Fresh off the Boat": An EDI Committee Blog Post Series - Topic 1: Asian Solidarity*. <https://arts.ucalgary.ca/news/not-fresh-boat-edi-committee-blog-post-series-topic-1-asian-solidarity>

UPCOMING PRESENTATIONS & POSTERS

*Presenting author

Muraki, E.J.*, & Pexman, P.M. (2022, August). Situated single-word processing: Are words ever really processed in isolation? Paper accepted for presentation at the 2022 Embodied and Situated Language Processing Conference, Lille, France.

Muraki, E.J.*, & Pexman, P.M. (2022, August). Individual differences in body-object interaction: Motor imagery and motor experience. Paper accepted for presentation at the 22nd Conference of the European Society for Cognitive Psychology, Lille, France.

Muraki, E.J.*, Reggin, L.D., Feddema, C., Siddiqui, I.A., & Pexman, P.M. (2022, October). Developmental trajectories of acquisition for concrete and abstract word meaning. Paper accepted for presentation at CoNSoLER 2022, Poznań, Poland.

PRESENTATIONS

*Presenting author

Muraki, E.J.*, Abdalla, S., Brysbaert, M., & Pexman, P.M. (2022, July). Insights from concreteness ratings of multiword expressions: Idiomatic expressions are less concrete than the sum of their parts. Paper presented at the 32nd Annual Meeting of the Canadian Society for Brain, Behaviour, and Cognitive Science, Halifax, Canada.

Muraki, E.J.*, Dahm, S.F., & Pexman, P.M. (2021, November). Motor imagery as a mechanism of sensorimotor simulation in language processing. Paper presented at the 62nd Annual Meeting of the Psychonomic Society, Virtual Meeting.

Muraki, E.J.*, Doyle, A., Protzner, A.B., & Pexman, P.M. (2021, October). Flexible recruitment of sensorimotor information during language processing: An EEG Study. Slide slam presented at the 13th Annual Meeting of the Society for the Neurobiology of Language, Virtual Meeting.

Reggin, L.,* **Muraki, E.**, & Pexman, P.M. (2021, September). Affective embodiment or learning through language? How children develop abstract word knowledge. Paper presented at the 2021 Embodied and Situated Language Processing Conference, Virtual Meeting.

Muraki, E.J.,* & Pexman, P.M. (2021, September). Investigating the basis of sensorimotor simulation in language processing: An individual differences approach. Paper presented at the 2021 Embodied and Situated Language Processing Conference, Virtual Meeting.

Muraki, E.J.,* & Pexman, P.M. (2021, June). Internal vs external dimensions of verb meaning: Lexical-semantic processing of mental, emotional, and nonembodied abstract verbs. Paper presented at the 30th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Virtual Meeting.

Hannah, J.,* Abdalla, S., **Muraki, E.**, Iaria, G., & Pexman, P.M. (2021, June). How Spatial is Spatial Language? Investigating the Relationship Between Spatial Cognition and Spatial Language. Paper presented at the 30th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Virtual Meeting.

Pexman, P.M.,* **Muraki, E.J.**, & Sidhu, D.M. (2019, November). Mapping semantic space: Property norms and semantic richness. Paper presented at the 60th Annual Meeting of the Psychonomic Society in Montreal, QC, Canada.

Yap, M.J.,* Goh, W.D., **Muraki, E.J.**, Sidhu, D.M., & Pexman, P.M. (2019, November). Timecourse of Number-of-Features Effects in Spoken Word Recognition. Paper to be presented at the 60th Annual Meeting of the Psychonomic Society in Montreal, QC, Canada.

Muraki, E.J.,* Heard, A., Sidhu, D.M. & Pexman, P.M. (2018, April). The challenge of abstract meaning: Semantic processing of abstract verbs. Paper presented at the 22nd University of Calgary Undergraduate Research Conference, Calgary, AB, Canada.

POSTER PRESENTATIONS

*Presenting author

Muraki, E.,* Chadwick, L., Mori, C., van der Wijk, G., Atay, E., Solis, L., Murry, A., & Exner-Cortens, D. (2022, June). Affinity and allyship groups to advance inclusion in post-secondary institutions: A scoping review and pilot group development. Poster presented at the 83rd Annual National Convention of the Canadian Psychological Association, Calgary, Canada.

Feddema, C.,* **Muraki, E.**, Reggin, L., & Pexman, P. (2022, June). Concreteness ratings for words with multiple meanings. Poster presented at Development 2022: A Canadian Conference of Developmental Psychology, Calgary, Canada.

Muraki, E.J.,* Doyle, A., Protzner, A.B., & Pexman, P.M. (2022, May). Context matters: How do task demands modulate the recruitment of sensorimotor information during language processing? Poster presented at the 15th Annual Canadian Neuroscience Meeting, Toronto, Canada.

Siddiqui, I.,* **Muraki, E.**, & Pexman, P.M. (2021, June). The Role of Sensorimotor Experience in Vocabulary Acquisition. Poster presented at the 30th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Virtual Meeting.

Reggin, L.,* **Muraki, E.**, & Pexman, P.M. (2021, June). Learning the meanings of fun, happen and peace: Development of Abstract Word Knowledge. Poster presented at the 30th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science, Virtual Meeting.

Muraki, E.J.,* & Pexman, P.M. (2020, November). Are individual differences in motor imagery related to sensorimotor effects in language processing? Poster presented at the 61st Annual Meeting of the Psychonomic Society, Virtual Meeting.

Reggin, L.D.,* **Muraki, E.J.**, & Pexman, P.M. (2020, October). Age of acquisition of abstract words. Poster presented at the CLARA Virtual Meeting.

Muraki, E.J.,* Doyle, A., Protzner, A.B. & Pexman, P.M. (2019, August). Neural correlates of semantic processing for abstract verb representation. Poster presented at the 11th Annual Meeting of the Society for the Neurobiology of Language in Helsinki, Finland.

Muraki, E.J.,* Sidhu, D.M., & Pexman, P.M. (2019, June). Semantic richness effects and abstract verb representation. Poster presented at the 29th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science in Waterloo, ON, Canada.

Muraki, E.J.,* Sidhu, D.M., & Pexman, P.M. (2019, June). Exploring semantic richness effects in abstract verbs. Poster presented at the Banff Annual Seminar in Cognitive Science (BASICS), Banff, AB, Canada.

Muraki, E.J.,* Heard, A., Sidhu, D.M. & Pexman, P.M. (2018, September). The challenge of abstract meaning: Semantic processing of abstract verbs. Poster presented at the 11th Annual International Conference on the Mental Lexicon, Edmonton, AB, Canada.

Muraki, E.J.,* Heard, A., Sidhu, D.M. & Pexman, P.M. (2018, May). The challenge of abstract meaning: Semantic processing of abstract verbs. Poster presented at the International Meeting of the Psychonomic Society, Amsterdam, NL.

Muraki, E.J.,* Heard, A., Sidhu, D.M. & Pexman, P.M. (2018, May). The challenge of abstract meaning: Semantic processing of abstract verbs. Poster presented at the Banff Annual Seminar in Cognitive Science (BASICS), Banff, AB, Canada.

Muraki, E.J.,* Sidhu, D.M. & Pexman, P.M. (2017, May). Differences in motion: Verb type and concreteness effects in gesture. Poster presented at the Banff Annual Seminar in Cognitive Science (BASICS), Banff, AB, Canada.

Muraki, E.J.,* Sidhu, D.M. & Pexman, P.M. (2017, April). Differences in motion: Verb type and concreteness effects in gesture. Poster presented at the 21st Annual University of Calgary Undergraduate Research Conference, Calgary, AB, Canada.

INVITED TALKS

*Presenting author(s)

Muraki, E.J.* [Panelist]. Women in Science Night. (2022, April). Psychology Graduate Students Association, University of Calgary.

Atay, E.*, Hart, C.*, Mori, C.*, **Muraki, E.***, & Solis, L*. (2021, December & February). Incorporating an equity, diversity, and inclusion (EDI) mentality in our research and methodology. Workshop presented to the Psyc 600: Professional Development Course at the University of Calgary.

Muraki, E.J.* [Panelist]. Making the most of your teaching assistantship. (2021, September). Panel presented to the Psyc 600: Professional Development Course at the University of Calgary.

Muraki, E.* & Hart, C.* (2021, February). Equity, Diversity, & Inclusion in Open Science. Presentation to the Open Science Student Support Group at the University of Calgary.

Lindsay, B.*, & **Muraki, E.***. (2020, November). Pre-registration. Presentation to the Open Science Student Support Group at the University of Calgary.

Muraki, E.J.* [Panelist] How to publish. (2021, March). Panel presented to the Psyc 600: Professional Development Course at the University of Calgary.

Muraki, E.J.* (2018, November). Overdue. Speaker presentation at PechaKucha Night Calgary #35 in Calgary, AB.

Muraki, E.J.* & Burbidge, G.* (2018, June). Developing engaged thinkers, ethical citizens, and entrepreneurial spirit through arts-based learning. Paper presented at the 13th Annual International Conference on The Arts in Society, Vancouver, BC, Canada.

Muraki, E.J.* & Burbidge, G.* (2018, June). Creating and maintaining a culture of evaluation. Panel presentation at the Americans for the Arts Annual Convention, Denver, CO, USA.

TEACHING EXPERIENCE

PSYC 617 Multivariate Data Analysis

Teaching Assistant, University of Calgary

Winter 2021 & 2022

PSYC 615 Analysis of Variance

Teaching Assistant, University of Calgary

Fall 2019

PSYC 300 Research Methods & Data Analysis in Psychology I

Teaching Assistant, University of Calgary

Fall 2018 & Spring 2019

PSYC 301 Research Methods & Data Analysis in Psychology II

Teaching Assistant, University of Calgary

Winter 2019

PSYC 375 Brain & Behavior

Teaching Assistant, University of Calgary

Fall 2018

English Second Language Teacher

South Korea

2010 - 2011

CO-SUPERVISED STUDENTS

Sydney Born, Summer Research Intern

2022

Carissa Feddema, Undergraduate Independent Research Project

2021 - 2022

Israa Siddiqui, Undergraduate Honours Thesis

2020 - 2021

SERVICE ACTIVITIES**Department of Psychology, University of Calgary**

Equity, Diversity, & Inclusion Committee Member

2021 - Current

Open Science Student Support Group Organizer

2020 - Current

CSBBCS Associate Departmental Representative

2020 - Current

PSYCHS/PGSA Mentorship Program [Mentor]

2018 - Current

Cognitive Science Seminar Organizer

2019

University of Calgary

FGS Equity, Diversity, and Inclusion Working Group [Co-Chair]

2021 - Current

Women Guiding Women Mentorship Program [Mentor]

2018

GSA Mentorship Program [Mentor]

2017

Ad-Hoc Reviewer

Acta Psychologica

Behavior Research Methods

Psychological Reports

COMMUNITY VOLUNTEER ACTIVITIES**The Calgary Foundation**

Arts & Heritage Grants Committee [Member]

2018 - Current

Racial Equity Working Group [Member]

2020 - Current

Chromatic Theatre

Board of Directors [President]

2020 - Current

Board of Directors [Member-at-Large]

2019 - 2020

National Association of Japanese Canadians

Arts, Culture and Education Subcommittee [Member]

2019 - Current

Canada Council for the Arts

Qualitative Impact Research & Measurement Advisory Committee [Member]	2018
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Canadian Public Arts Funders Research Group

Working Group [Member]	2016 - 2018
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Calgary Board of Education

Fine Arts Advisory Committee & Research Sub-Committee [Member]	2013 - 2018
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The City of Calgary

Event Advisory Committee [Member]	2013 - 2018
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University of Calgary

Alumni Arts Connection Council [Member]	2015 - 2017
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PROFESSIONAL AFFILIATIONS

- American Psychological Association [Student Member]
- Canadian Association for Neuroscience [Student Member]
- Canadian Psychological Association [Student Affiliate]
- Canadian Society for Brain, Behaviour, and Cognitive Science [Associate Member]
- Cognitive Science Society [Student Member]
- European Society for Cognitive Psychology [Associate Member]
- Hotchkiss Brain Institute [Trainee]
- Psychonomic Society [Student Member]
- Society for the Improvement of Psychological Science [Student Member]
- Society for the Neurobiology of Language [Student Member]
- Women in Cognitive Science [Member]
- Women in Cognitive Science Canada [Member]

PROFESSIONAL DEVELOPMENT AND CERTIFICATES**Research & Methodology**

- | | |
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| Intro to Mediation, Moderation and Conditional Process Analysis with Andrew F. Hayes, University of Calgary. | 2021 |
| ERP Bootcamp with Stephen Luck and Emily Kappenman, University of Birmingham. | 2018 |
| Learning to Master R: From Basics to Discontinuous Growth Modelling, University of Calgary. | 2017 |

Teaching & Learning

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| Graduate Student Certificate in University Teaching and Learning, Taylor Institute for Teaching and Learning, University of Calgary. Badges include: | 2021 |
| 1. Emerging Teachers Development | |

2. Develop your Teaching Dossier
3. Learning Spaces & Digital Pedagogies
4. Theories & Practices

Mental Health & Support Training

The Comments Section: Addressing Harassment Online, University of Calgary.	2022
ASIST - Applied Suicide Intervention Skills Training, University of Calgary.	2022
Bystander Intervention Training, University of Calgary.	2021

Program Evaluation & Public Policy

Summer Training Institute, American Evaluator’s Association.	2015 & 2017
Public Policy Training Institute, Max Bell Foundation.	2015
Evaluating Community Impact Workshop, Tamarack Institute.	2014
Next Generation Evaluation Conference, FSG.	2013

PROFESSIONAL EXPERIENCE

Calgary Arts Development

Public Art Bid Consultant	2020
Director, Community Investment & Impact	2015 - 2018
Director, Impact & Engagement	2013 - 2014
Program Manager, Resource Development	2012 - 2013
Program & Event Coordinator	2011 - 2012

Alberta Theatre Projects

Manager, Special Events	2007 - 2009
Coordinator, Stewardship & Special Events	2006 - 2007
University of Calgary Intern	2005 - 2006