Caitlyn Antal

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⌂ https://psycholinguistics.weebly.com/caitlyn-antal.html

Education

McGill University   *Montreal, QC, Canada*
Ph.D in Psychology   2021 – 2025 (expected)
Supervisor: Brendan T. Johns
Thesis: Grasping the meaning of an object: The cognitive, computational, and
          social-usage bases of conceptual representations
GPA: 4.0/4.0

Concordia University   *Montreal, QC, Canada*
M.A. in Psychology   2019 – 2021
Supervisor: Roberto G. de Almeida
Thesis: What do we grasp at a glance? Investigating conceptual representations
          through rapid object categorization
GPA: 4.15/4.30

Yale University   *New Haven, CT, USA*
Ph.D. in Linguistics   2018 – 2019 (withdrew)
Supervisor: Maria M. Piñango
GPA: 4.17/4.30

Concordia University   *Montreal, QC, Canada*
B.A. in Psychology   2012 – 2017
Supervisor: Roberto G. de Almeida
Thesis: Category-specific semantic deficits for verb concepts in Alzheimer's disease
GPA: 3.87/4.30

Publications

PUBLISHED PAPERS

[11] Ungerer, T., **Antal., C**., & de Almeida, R. G. (Under Review). How to sneeze the napkin off the table: Online comprehension of grammatically creative sentences.

[10] de Almeida, R. G., Gallant, J., **Antal, C**., & Libben, G. (Under Revision). Semantic access to ambiguous word roots cannot be stopped by affixation—not even in sentence contexts: Evidence from eye tracking and the maze task.

[9] **Antal, C.**, de Almeida, R. G. (Under Review). Grasping the concept of an object at glance: Category information accessed by brief dichoptic presentation.

[8] **Antal, C**., Johns, B. T., & de Almeida, R. G. (Under Revision). The effect of contextual and semantic diversity in lexical and conceptual access: Evidence from a picture-word semantic congruency task.

[7] **Antal, C**., & de Almeida, R. G. (2023). The units of gating and access to lexical representations during spoken word recognition. In M. Goldwater, F. Anggoro, B. Hayes, & D. Ong (Eds.), *Proceedings of the 45th Annual Conference of the Cognitive Science Society* (pp. 3439-3446). Sydney: Cognitive Science Society. (Refereed)

[6] **Antal, C**., de Almeida, R. G., & Johns, B. T. (2022). Which semantic properties of a feature affect access to an object concept? In J. Culbertson, A. Perford, H. Rabagliati, & V. Ramenzoni (Eds.), *Proceedings of the 44th Annual Conference of the Cognitive Science Society* (pp. 2364-2371). Toronto, ON: Cognitive Science Society. (Refereed)

[5] **Antal, C**., & de Almeida, R. G. (2021). Indeterminate and enriched propositions in context linger: Evidence

from an eye-tracking false memory paradigm. *Frontiers in Psychology: Language Sciences.* doi: 10.3389/fpsyg.2021.741685 (Refereed)

[4] de Almeida, R. G., Mobayyen, F., **Antal, C.**, Kehayia, E., Nair, V., & Schwartz, G. (2021). Category-specific verb-semantic deficits in Alzheimer's disease: Evidence from static and dynamic action naming. *Cognitive Neuropsychology.* doi.org/10.1080/02643294.2020.1858772. (Refereed)

[3] de Almeida, R. G., & **Antal, C**. (2021). How can semantics avoid the troubles with the analytic/synthetic distinction? In S. Löbner, T. Gamerschlag, T. Kalenscher, M, Schrenk, & H. Zeevat. (Eds.) *Concepts, Frames and Cascades in Semantics, Cognition and Ontology*. Springer. doi: 10.1007/978-3-030-50200-3. (Refereed)

[2] de Almeida, R. G., Dumassais, S., & **Antal, C.** (2020) Morphological parsing by foveal split: Evidence from anaglyphs. In S. Denison, M. Mack, Y. Xu, & B. C. Armstrong (Eds.), *Proceedings of the 42nd Annual Conference of the Cognitive Science Society* (pp. 3055-3061). Toronto, ON: Cognitive Science Society. (Refereed)

[1] de Almeida, R. G., Di Nardo, J. C., **Antal, C.**, & von Grünau, M. W. (2019). Understanding events by eye and ear: Agent and verb drive non-anticipatory eye movements in dynamic scenes. *Frontiers in Psychology: Language Sciences, 10*(2162), 1-20*.* doi: 10.3389/fpsyg.2019.02162 (Refereed)

MANUSCRIPTS IN THE PIPELINE

[5] de Almeida, R. G., Salehi, K., & **Antal, C**. Parsing compounds and pseudocompounds at the fovea: Evidence from anaglyphs.

[4] **Antal, C.**, & de Almeida, R. G. Semantic properties and categorization norms for the 260 Snodgrass and Vanderwart's (1980) objects: a 40-year conceptual update to a classic set.

[3] **Antal, C**., & de Almeida, R. G. Does semantic composition rely on predicate decomposition? Contrasting resultative and depictive sentences.

[2] de Almeida, R. G., **Antal, C.**, & Pissani, L. What are mental representations? And what do brains do when they process representations? Symbolic versus Embodied Cognitive Science evaluated.

[1] de Almeida, R. G., van de Velde, C., **Antal, C.**, & von Grünau, M. W. Blindness to instruments and objects of verbs in dynamic scenes.

Presentations

TALKS   *Presenter underlined*

[20] <u>**Antal, C.**</u>, & de Almeida, R. G. (2023). What do we grasp at a glance? Investigating conceptual representations through rapid object categorization. *Concepts in Action: Representation, Learning, and Applications Conference*. Montreal, August 23-25. (Refereed)

[19] <u>Ungerer, T.</u>, **Antal, C.**, & de Almeida, R. G. (2023). Conceptual integration in creative sentences: Evidence from eye-tracking. *Concepts in Action: Representation, Learning, and Applications Conference*. Montreal, August 23-25. (Refereed)

[18] <u>Ungerer, T</u>., **Antal, C.**, & de Almeida, R. G. (2023). Sneezing the napkin off the table: Mechanisms of valency coercion in eye-tracking. *16th International Cognitive Linguistics Conference*. Düsseldorf, August 7-11. (Refereed)

[17] <u>**Antal, C**</u>., de Almeida, R. G., & Johns, B. T. (2023). The effect of contextual and semantic diversity in word recognition: Evidence from a dichoptic lexical decision task with anaglyphs. *33rd Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science*. Guelph, July 17-19. (Refereed)

[16] <u>**Antal, C**</u>., & de Almeida, R. G. (2022). Does semantic composition rely on predicate decomposition? Contrasting resultatives and depictives. *Concepts in Action: Representation, Learning, and*

Applications Conference. Berlin, August 22-24. (Refereed)

[15] **Antal, C.**, de Almeida, R. G., & Johns, B. T. (2022). Access to object concepts is modulated by usage-based properties of feature labels. *32nd Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science*. Halifax, July 18-20. (Refereed)

[14] **Antal, C.**, Trankarov, D., Salehi, K., Falcone, A. R., Pissani, L., & de Almeida, R. G. (2021). Understanding implausible passives in aphasia: Algorithmic and heuristic processes compete. *13th Annual Meeting of the Society for the Neurobiology of Language Conference*. October 5-8. Online. Poster Slam. (Referred)

[13] **Antal, C.**, Falcone, A. R., Pissani, L., Salehi, K., & de Almeida, R. G. (2021). Indeterminate sentences in aphasia: Investigating coercion and the nature of compositionality. *13th Annual Meeting of the Society for the Neurobiology of Language*. October 5-8. Online. Poster Slam. (Referred)

[12] Salehi, K., **Antal, C.**, Falcone, A. R., Pissani, L., & de Almeida, R. G. (2021). Undoable: Computing hierarchical morphological structures in aphasia. *13th Annual Meeting of the Society for the Neurobiology of Language*. October 5-8. Online. Poster Slam. (Referred)

[11] Pissani, L., **Antal, C.**, Salehi, K., Falcone, A. R., & de Almeida, R. G. (2021). Where in the brain is "pragmatics"? The case of verbal metaphors in aphasia. *13th Annual Meeting of the Society for the Neurobiology of Language*. October 5-8. Online. Poster Slam. (Referred)

[10] **Antal, C.**, & de Almeida, R. G. (2021). When you recognize a dog, you also know it's an animal: Evidence from rapid object categorization using anaglyphs. *Concepts in Action: Representation, Learning, and Application Conference*. September 16-17, Online. (Refereed)

[9] **Antal, C.**, de Almeida, R. G., & Sharp, J. (2020). The units of gating: A methodological investigation on spoken-word recognition. *Words in the World (WOW).* October 16-18, Online. (Refereed)

[8] de Almeida, R. G., & **Antal, C.** (2019). Metaphor interpretation, analyticity, and compositionality: A view from atomism. *Metaphor Festival 2019.* Amsterdam, August 28-30. (Refereed)

[7] **Antal, C.**, & de Almeida, R. G. (2019). False memories of enriched sentences in context: Evidence from an eye-tracking probe recognition paradigm. *20th European Conference on Eye Movements*. Alicante, August 18-22. Abstract published in the *Journal of Eye Movement Research*, *12*(7). doi: https://doi.org/10.16910/jemr.12.7.1. (Refereed)

[6] de Almeida, R. G., Di Nardo, J., & **Antal, C.** (2019). Talking about what we see: Eye movements in dynamic scenes are not under the control of linguistic stimuli. *20th European Conference on Eye Movements*. Alicante, August 18-22. Abstract published in the *Journal of Eye Movement Research*, *12*(7). doi: https://doi.org/10.16910/jemr.12.7.1. (Refereed)

[5] de Almeida, R. G., & **Antal, C.** (2018). Why atomism? *11th International Conference on the Mental Lexicon.* Edmonton, September 25-28. (Refereed)

[4] de Almeida, R. G., & **Antal, C.** (2017). Déficiences sémantiques des verbes chez la maladie d'Alzheimer: Les effets de structure thématique pour la production de phrases avec des scenes dynamiques. *Colloque ACFAS.* Montreal, May 11. (Invited)

[3] de Almeida, R. G., & **Antal, C.** (2017). Verb semantic deficits in Alzheimer's disease. *CRIR Student Colloquium*. Montreal, March 24.

[2] **Antal, C.** (2012). The Role of Technology in Education. Speaker at Dawson College Social Science Week. Montreal, March 12-15. (*Chosen from amongst the social sciences program students*)

[1] **Antal, C** (2011). The Role of Technology in Education. Speaker at Youth, Violence and Education. Conference. Montreal, October 23-27. (*Student representative from Dawson College*)

POSTERS   *Presenter underlined*

[19] <u>Ungerer, T</u>., **Antal, C**., & de Almeida, R. G. (2024). Sneezing the napkin off the table: Online comprehension of grammatically creative sentences. *37th Annual Conference on Human Sentence Processing (HSP).* Ann Arbor, May 16-18. (Refereed)

[18] <u>Ungerer, T</u>., **Antal, C**., & de Almeida, R. G. (2023). Sneezing the napkin off the table: Mechanisms of valency coercion in eye-tracking. *16th International Cognitive Linguistics Conference (ICLC).* Düsseldorf, August 7-11. (Refereed)

[17] <u>La Serra, A</u>., **Antal, C**., & de Almeida, R. G. (2023). The time course of conceptual access: Evidence from a dichoptic presentation paradigm. *33rd Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science*. Guelph, July 17-19. (Refereed)

[16] <u>La Serra, A</u>., & **Antal, C**. (2023). The role of co-occurrences on conceptual tokening: Accessing object concepts by their category labels. *45th Annual Meeting of the Cognitive Science Society.* Sydney, July 26-29. (Refereed)

[15] de Almeida, R. G., **Antal, C**., & <u>Ungerer, T</u>. (2022). The authors wrote the paper dry: Contrasting resultative and depictive verb templates. *12th International Conference on the Mental Lexicon.* Niagara-on-the-Lake, October 11-14. (Refereed)

[14] <u>Salehi, K.</u>, de Almeida, R. G., & **Antal., C**. (2022). Parsing compounds and pseudocompounds at the fovea. *44th Annual Meeting of the Cognitive Science Society*. Toronto, July 27-30. (Refereed)

[13] **<u>Antal, C</u>**., & de Almeida, R. G. (2021). When you recognize a dog, you also know it's an animal: Evidence from rapid object categorization using anaglyphs. *62nd Annual Meeting of Psychonomic Society*. November 4-7. Online. (Refereed)

[12] **<u>Antal, C.</u>**, Falcone, A. R., Pissani, L., Salehi, K., & de Almeida, R. G. (2021). Interpreting indeterminate sentences in aphasia: a probe into semantic coercion. *59th Annual Meeting of the Academy of Aphasia*. October 24-26. Online. (Referred)

[11] <u>Salehi, K.</u>, **Antal, C.**, Falcone, A. R., Pissani, L., & de Almeida, R. G. (2021). Parsing trimorphemic words in context: Evidence from aphasia. *59th Annual Meeting of the Academy of Aphasia*. October 24-26. Online. (Referred)

[10] **<u>Antal, C</u>**., & de Almeida, R. G. (2021). As soon as you recognize the dog, you know it's an animal: Investigating conceptual representations through rapid object categorization. *30th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science*. June 17-18. Online. (Refereed)

[9] **<u>Antal, C</u>**., & de Almeida, R. G. (2020). The recognition of object concepts sans features: Effects from brief exposure using anaglyphs. *Object Perception, Attention, & Memory (OPAM).* November 18-19. Online. (Referred)

[8] **<u>Antal, C</u>**., & de Almeida, R. G. (2020). Accessing object concepts: Effects from brief exposure using anaglyphs. *20th Annual Meeting of the Vision Sciences Society*. May 15-20. Online. Abstract published in the *Journal of Vision*, *20*(11). doi: https://doi.org/10.1167/jov.20.11.945. (Refereed)

[7] <u>de Almeida, R. G</u>., & **Antal, C.** (2020). Talking about what we see, again: Further evidence for non-anticipatory eye movements in dynamic scenes during sentence comprehension. *20th Annual Meeting of the Vision Sciences Society.* May 15-20. Online. Abstract published in the *Journal of Vision*, *20*(11). doi: https://doi.org/10.1167/jov.20.11.986. (Refereed)

[6] **<u>Antal, C</u>**., & de Almeida, R. G. (2019). Composing indeterminate event information in context: Evidence from an eye-tracking memory paradigm. *41st Annual Meeting of the Cognitive Science Society.* Montreal, July 24-27. (Refereed)

[5] de Almeida, R. G., Mobayyen, F., Kehayia, E., **<u>Antal, C</u>**., Nair, V., & Schwartz, G. (2019). Category-specific verb-semantic naming deficits in Alzheimer's disease: Evidence from a dynamic action naming task. *41st Annual Meeting of the Cognitive Science Society.* Montreal, July 24-27. (Refereed)

[4] **Antal, C**., & de Almeida, R. G. (2018). Accessing indeterminate event information in context: Evidence from an eye-tracking memory paradigm. *The 2018 International Meeting of the Psychonomic Society.* Amsterdam, May 10-12. (Refereed)

[3] **Antal, C**., Turbide, J., & de Almeida, R. G. (2017). Verb deficits in Alzheimer's disease and Aphasia: Argument-structure and thematic-hierarchy effects. *9th Annual Meeting of the Society of Neurobiology of Language.* Baltimore, November 8-10. (Refereed)

[2] de Almeida, R. G., & **Antal, C**. (2016). Category-specific verb deficits in Alzheimer's: Thematic structure effects in naming and sentence production with dynamic scenes. *8th Annual Meeting of the Society for the Neurobiology of Language*. London, August 17-20. (Refereed)

[1] de Almeida, R. G., **Antal, C**., Anton, N., & Nair, V. P. (2016). Semantic deficits for verbs in Alzheimer's disease: Evidence from action naming and sentence production. *26th Annual Meeting of the Canadian Society for Brain, Behaviour and Cognitive Science*. Ottawa, June 24-26. (Refereed)

Teaching

TEACHING EXPERIENCE

Cognition   *McGill University*
  Teaching Assistant   Fall, 2023
  Department of Psychology (PSYC 210; 150 students)
  Instructor: Brendan T. Johns

Fundamentals of Cognition   *Concordia University*
  Teaching Assistant   Fall, 2020
  Department of Psychology (PSYC 364; 60 students)
  Instructor: Roberto G. de Almeida

Linguistics and Cognitive Science: Concepts, Thought, and Belief   *Concordia University*
  Teaching Assistant   Winter, 2020
  Department of Classics, Modern Language, and Linguistics (LING 322; 60 students)
  Instructor: Alan C. Bale

Fundamentals of Cognition   *Concordia University*
  Teaching Assistant (Volunteer)   Fall, 2016
  Department of Psychology (PSYC 364; 60 students)
  Instructor: Roberto G. de Almeida

Linguistics and Cognitive Science: Concepts and Categories   *Concordia University*
  Teaching Assistant (Volunteer)   Winter, 2016
  Department of Classics, Modern Languages, and Linguistics (LING 322; 60 students)
  Instructor: Alan C. Bale

GUEST LECTURER

Concepts and Categories   *Concordia University*
  Department of Psychology (PSYC 463; 60 students)   Winter, 2023
  Instructor: Roberto G. de Almeida

Linguistics and Cognitive Science: Concepts and Categories   *Concordia University*
  Department of Classics, Modern Languages, and Linguistics (LING 322; 60 students)   Winter, 2016
  Instructor: Alan C. Bale

Grants, Honors, & Scholarships

Total: $ 524, 275

2023	**CRBLM Graduate Travel Award** ($ 700)	*McGill University*
2022	**CRBLM Graduate Travel Award** ($ 700)	*McGill University*
2021	**Dr. and Mrs. Milton Leong Grad Award** ($ 5,000)	*McGill University*
2021	**NSERC Canada Graduate Scholarship – Doctoral** ($ 105,000)	*McGill University*
2021	**FRQSC Bourse de Doctorat en Recherche** ($ 84,000)	*McGill University*
2021	**Concordia University Special Entrance Award – Doctoral** ($ 10,000), *declined*	*Concordia University*
2021	**Concordia University Doctoral Graduate Fellowship** ($ 56,000), *declined*	*Concordia University*
2020	**Concordia University Merit Scholarship Faculty of Arts and Science** ($ 17,500)	*Concordia University*
2020	**SSHRC Joseph-Armand Bombardier CGS – Masters** ($ 17,500), *declined*	*Concordia University*
2019	**Concordia University Special Entrance Award – Masters** ($ 6,500)	*Concordia University*
2019	**SSHRC Joseph-Armand Bombardier CGS – Masters** ($ 17,500)	*Concordia University*
2018	**Yale University Graduate Fellowship** ($ 31,000 USD/year)	*Yale University*
2018	**Concordia University Undergraduate Travel Award** ($ 625)	*Concordia University*
2018	**NSERC Alexander Graham Bell CGS – Masters** ($ 17,500), *declined*	*Graduate Studies, Canada*
2018	**SSHRC Joseph-Armand Bombardier CGS – Masters** ($ 17,500), *declined*	*Graduate Studies, Canada*
2017	**Concordia University Undergraduate Travel Award** ($ 500)	*Concordia University*
2017	**FRQNT Supplement to NSERC USRA** ($ 2,000)	*Concordia University*
2017	**NSERC Undergraduate Student Research Award** ($ 5,625)	*Concordia University*
2016	**Concordia Undergraduate Student Research Award** ($ 5,625)	*Concordia University*

Service

Ad Hoc Journal Reviewer:

Behavior Research Methods; Cognitive Science Society; Register Aspects of Language in Situation

Student Representative:

CSBBCS Associate Departmental Representative – McGill University (2023-2024)

Workshop Organization:

Workshop co-organizer: *Concepts in Action: Representation, Learning, and Application Conference*. August 23-25, 2023. Montreal, Canada. [link]

Workshop co-organizer: *Concepts in Action: Representation, Learning, and Application Conference*. August 22-24, 2023. Berlin, Germany. [link]

Research Mentorship:

Elena Bai (2023-2024): Categorization of atypical members in complex scenes. Honours Cognitive Science, McGill University.

Alessandro La Serra (2022-2023): From perception to meaning: An investigation into the early moments of conceptual access. Honours Psychology, Concordia University.

Djuly Trankarov (2021-2022): The comprehension of implausible passive sentences in aphasia. Honours Psychology, Concordia University.

Membership in Professional Organizations:

Canadian Society for Brain, Behaviour, and Cognitive Science; Vision Sciences Society; Society for the Neurobiology of Language; Academy of Aphasia; Psychonomic Society; Cognitive Science Society

Skills

Programming Languages:	R, Python
fMRI:	FSL, SPM, RSA
Eye-Tracking:	EyeLink II, EyeLink 1000, Experiment Builder, DataViewer
Statistical Analyses:	R, Python, SPSS, Case-Series Analyses for Neuropsychological Data
Experimental Software:	PsychoPy3, E-Prime, PsyScope, Open Sesame
Audio Recording & Editing:	Praat, MView (MATLAB)
Languages (Spoken & Written):	English (native language proficiency), French (native language proficiency)

Extra Curricular Activities

Piano:	*Auditioned* and *Accepted* in *Keyboard Studies* course, The Juilliard School, New York City. (September 22nd, 2016). – *Declined.*
Soccer:	Coaching soccer for young girls: Shamrocks Football Club. Deux-Montagnes (summer 2012 – summer 2018)
	Ring of Fire International Soccer Tournament, Laurentides AAA. Glendale, Arizona, USA (February, 2005 – *Team chosen to represent Canada*)
Hockey:	Quebec Games, Women's Regional hockey team, Laurentides AAA (February 2007)

References

Brendan T. Johns
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Montreal, Quebec, H3A 1G1
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Alan C. Bale
Department of Linguistics
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Montreal, Quebec, H3G 1M8
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