# REBEKAH A. GELPÍ

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## EDUCATION

**University of Toronto** *September 2020 - present*
Doctor of Philosophy, Psychology (expected 2024)
Supervisors: Dr. Daphna Buchsbaum, Dr. Wil Cunningham

**University of Toronto** *2020*
Master of Arts, Psychology
Supervisor: Dr. Daphna Buchsbaum
Thesis: *Hot, then cold: Predicting hypothesis revision*
*strategies across development with rational process models*

**Swarthmore College** *2017*
Bachelor of Arts, Cognitive Science
Supervisor: Dr. Frank Durgin
Honours thesis: *Gaze behavior differentiates figurative forms:*
*A two-stage model of metaphor and simile comprehension*

## HONOURS AND AWARDS

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|---|---:|
| Canada Graduate Scholarship - Doctoral, | |
| Social Sciences and Humanities Research Council ($105,000) | *2022 – 2025* |
| Ontario Graduate Scholarship ($15,000) | *2021 – 2022* |
| Canada Graduate Scholarship - Master's, | |
| Social Sciences and Humanities Research Council ($17,500) | *2020 – 2021* |
| Faculty of Arts and Sciences Domestic Graduate Entrance Award ($5,000) | *2019* |
| Frances Velay Women's Science Research Fellowship (USD $4,500) | *2016* |

## PUBLICATIONS

*Note: Asterisks represent equal contribution between authors. Italics represent undergraduate mentee at time of research.*

**Gelpí, R.**, & Buchsbaum, D. (under review). Children as cultural explorers: How imitation, pedagogy, and selective trust prepare children for learning in the cultural niche.

Blackburn, A. M., Vestergren, S., & The COVIDiSTRESS II Consortium (including **Gelpí, R.**). (under review). COVIDiSTRESS diverse dataset on psychological and behavioural outcomes one year into the COVID-19 pandemic. https://doi.org/10.31219/osf.io/428pz

**Gelpí, R.**, Allidina, S., Hoyer, D., & Cunningham, W. A. (in press). The labelled container: Conceptual development of social group representations. *Behavioral and Brain Sciences, 44.*

Rachev, N. R.*, Han, H.*, Lacko, D.*, **Gelpí, R.***, Yamada, Y., & Lieberoth, A. (2021). Replicating the "Disease" framing paradigm during the 2020 COVID-19 pandemic: A study of stress, worry, trust, and choice under risk. *PLOS ONE.* https://doi.org/10.1371/journal.pone.0257151

Lieberoth, A., Lin, S.-Y., Stöckli, S., Han, H., Kowal, M., **Gelpí, R.**, Chrona, S., Tran, T. P., Jeftic, A., Rasmussen, J., Cakal, H., Milfont, T., L. & The COVIDiSTRESS Global Survey Consortium (2021). Stress and worry in the 2020 coronavirus pandemic: Relationships to trust and compliance with preventive measures across 48 countries. *Royal Society Open Science, 8*, 200589. https://doi.org/10.1098/rsos.200589

Yamada, Y., Ćepulić, D. B., Coll-Martín, T., Debove, S., Gautreau, G., Han, H., Rasmussen, J., Tran, T. P., Travaglino, G. A., The COVIDiSTRESS Global Survey Consortium (including **Gelpí, R.**), & Lieberoth, A. (2021). COVIDiSTRESS Global Survey dataset on psychological and behavioural consequences of the COVID-19 outbreak. *Scientific Data, 8*(1), 3. https://doi.org/10.1038/s41597-020-00784-9

**Gelpí, R.**, Cunningham, W. A., & Buchsbaum, D. (2020). Belief as a non-epistemic adaptive benefit. *Behavioral and Brain Sciences, 43*, e36. https://doi.org/10.1017/S0140525X19002206

*Peer-Reviewed Conference Proceedings*

*Prystawski, B.*, **Gelpí, R.**, Lucas, C. G., & Buchsbaum, D. (2021). Modelling recognition in human puzzle solving. In *Proceedings of the 43rd Annual Meeting of the Cognitive Science Society* (pp. 1907–1913).

**Gelpí, R.**, *Saxena, N.*, Lifchits, G., Buchsbaum, D. & Lucas, C. G. (2021). Sampling heuristics for active function learning. In *Proceedings of the 19th International Conference on Cognitive Modeling* (pp. 80–86).

**Gelpí, R.**, *Prystawski, B.*, Lucas, C. G., & Buchsbaum, D. (2020). Incremental hypothesis revision in causal reasoning across development. In *Proceedings of the 42nd Annual Meeting of the Cognitive Science Society* (pp. 974–980).

Durgin, F. H., & **Gelpí, R.** (2017). When do vehicles of similes become figurative? Gaze patterns show that similes and metaphors are initially processed differently. In *Proceedings of the 39th Annual Meeting of the Cognitive Science Society* (pp. 1967–1972).

*Popular Press*

Yamada, Y., Blackburn, A. M., Chang, G., **Gelpí, R.**, Han, H., Ikizer, G., Jeftic, A., Stöckli, S., Tuominen, J., Vestergren, S., & Lieberoth, A. COVIDiSTRESS: One of the world's largest consortia of researchers for investigating psychological, social, and behavioral consequences of the COVID-19 pandemic. *Research Data at Springer Nature.*

## PRESENTATIONS

*Saxena, N.*, **Gelpí, R.**, Buchsbaum, D., & Lucas, C. G. (2022, July). Dynamic strategy selection in active function learning. Poster presentation at the 44th Annual Meeting of the Cognitive Science Society, Toronto, ON.

*Arefhaghi, D.**, **Gelpí, R.***, & Sommerville, J. A. (2022, April). Mean or mad? Children's trait inference from behaviour and facial expressions. Poster presented at the 12th Biennial Meeting of the Cognitive Development Society, Madison, WI.

**Gelpí, R.**, *Saxena, N.*, Lifchits, G., Buchsbaum, D. & Lucas, C. G. (2021, July). Sampling heuristics for active function learning. Poster presented at the 43rd Annual Meeting of the Cognitive Science Society.

*Prystawski, B.*, **Gelpí, R.**, Lucas, C. G., & Buchsbaum, D. (2021, July). Modelling recognition in human puzzle solving. Poster presented at the 43rd Annual Meeting of the Cognitive Science Society.

**Gelpí, R.**, *Saxena, N.*, Lifchits, G., Buchsbaum, D. & Lucas, C. G. (2021, July). Sampling heuristics for active function learning. Paper presented at Virtual MathPsych/ICCM 2021.

**Gelpí, R.**, *Ai, W.*, Verma, A., Cunningham, W. A., & Sommerville, J. A. (2021, April). Dissociating moral evaluations and affiliative decision-making in intergroup exclusion. Paper presented at the SRCD 2021 Virtual Biennial Meeting. (Symposium chair)

*Arefhaghi, D.*, **Gelpí, R.**, & Sommerville, J. A. (2021, April). Children's integration of prior evidence and facial cues in generalizations about antisocial behaviour. Poster presented at the SRCD 2021 Virtual Biennial Meeting.

**Gelpí, R.**, Verma, A., *Ai, W.*, Sommerville, J. A., & Cunningham, W. A. (2021, February). Group membership trumps moral evaluation in affiliative decision-making. Poster presented at the 22nd Annual Meeting of the Society for Personality and Social Psychology.

*Arefhaghi, D.*, **Gelpí, R.**, & Sommerville, J. A. (2021, January). Children's integration of prior evidence in generalizations about antisocial behaviour. Talk presented at the 11th Budapest CEU Conference on Cognitive Development.

**Gelpí, R.**, *Prystawski, B.*, Lucas, C. G., & Buchsbaum, D. (2020, August). Incremental hypothesis revision in causal reasoning across development. Paper presented at the 42nd Annual Meeting of the Cognitive Science Society.

**Gelpí, R.**, Lucas, C. G., & Buchsbaum, D. (2019, October). Incremental hypothesis revision in child and adult causal reasoning. Poster presented at the 11th Biennial Meeting of the Cognitive Development Society, Louisville, KY.

Durgin, F. H., & **Gelpí, R.** (2017, July). When do vehicles of similes become figurative? Gaze patterns show that similes and metaphors are initially processed differently. Poster presented at the 39th Annual Meeting of the Cognitive Science Society, London, UK.

### *Invited Talks*

**Gelpí, R.** (2021, August). Sampling heuristics for active function learning.
University of Edinburgh, Computational Cognitive Science Lab.

**Gelpí, R.** (2020, July). Learning, near and far: Belief revision across development.
University of Edinburgh, Computational Cognitive Science Lab.

**Gelpí, R.** (2020, March). Predicting belief revision with Bayesian models.
University of Toronto, Re:Cognition Speaker Series.

## TEACHING EXPERIENCE

**Teaching Assistant**

| | |
|---|---|
| Introduction to Cognitive Psychology (PSY270H) | *September 2019 – December 2019* |
| The Psychology of Prejudice (PSYC12) | *September 2020 – December 2020* |
| Social Development (PSY311H) | *January 2021 – April 2021* |
| Statistics II (PSY202H) | *July 2021 – August 2021* |

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| Statistics I (PSY201H) | *September 2021 – December 2021* |
| Social Psychology: Attitudes (PSY320H) | *January 2022 – April 2022* |

**Guest Lectures**

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| Social Development (PSY311H): Introduction to Bayesian Inference | *September 2020* |
| Social Development (PSY311H): Moral Judgment and Behaviour | *March 2021* |

**Workshops**

Introduction to Cognitive Modelling    *July 2021*
*Instructor*

Designed a one-hour workshop for introducing undergraduate developmental researchers in the Toronto Early Cognition Lab to the basics of the theory and implementation of Bayesian cognitive models.

Professional Development in Psychology Workshop Series    *June 2020 – August 2020*
*Instructor*

Co-designed and co-taught a 10-week-long summer workshop series for undergraduate developmental researchers in the Toronto Early Cognition Lab, covering topics including applying to graduate school, methods in developmental psychology, and statistical tools and methods for data analysis.

Cognition, Innovation, and Social Power Discussion Series    *June 2020 – August 2020*
*Instructor*

Co-led a 7-week-long discussion series discussing the role of structural power and oppression in education for undergraduate developmental researchers in the Toronto Early Cognition Lab, and the role of exploration and innovation in children's active learning from environments.

**Research Supervision**

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| Yikai Tang (Undergraduate Thesis Project) | *2022 – present* |
| Mello Mo (Undergraduate Mini-Thesis Project) | *2022* |
| Nayan Saxena (Undergraduate Independent Study Project) | *2021 – 2022* |
| Heather Chong (Undergraduate Research Opportunity Program) | *2020 – 2021* |
| William Ai (Undergraduate Research Opportunity Program) | *2020* |
| (Undergraduate Independent Study Project) | *2020 – 2022* |
| Denise Arefhaghi (Undergraduate Independent Study Project) | *2020 – 2021* |
| Ben Prystawski (Undergraduate Research Opportunity Program) | *2019 – 2020* |
| Undergraduate Independent Study Project) | *2020 – 2021* |
| Maureen Huang (Undergraduate Independent Study Project) | *2019 – 2020* |

## PROFESSIONAL AND SERVICE

**Reviews**

· *Ad hoc:* Proceedings of the Annual Meeting of the Cognitive Science Society

**Service**

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|---|---|
| Treasurer, Psychology Graduate Students Association | *September 2020 – present* |
| Secretary, Psychology Graduate Students Association | *September 2019 – August 2020* |
| Webmaster, Psychology Graduate Students Association | *September 2019 – August 2020* |

Diversity and Inclusion Committee, Best Research
Practices Working Group, University of Toronto *June 2020 – present*
Co-Organizer, Psychology Undergraduate Research Club *September 2020 – present*
Graduate Peer Mentor, University of Toronto *2020 – present*
Científico Latino Graduate Student Mentorship Initiative *2021 – present*

**Professional Development**
*Advanced University Teaching Preparation Certification Workshops*
· Preparing Your Teaching Dossier *February 2020*
· Integrating Universal Design for Learning Principles in Online Teaching *April 2020*
· Facilitating Effective Webinars: Strategies for Bb Collaborate Ultra *April 2020*
· Demystifying Library Research for Your Students *October 2020*
· Equity and Access in Online Teaching *November 2020*
· Identify, Assist, Refer Plus Training (IAR+) *November 2020*
· Mock Academic Interview *November 2020*
· Introduction to Experiential and Community Engaged Learning *November 2020*
· Roundtable with Teaching-Stream Faculty *December 2020*
· Statement of Teaching Philosophy Clinic *March 2021*
· Online Microteaching *June 2021, October 2022*
  *University of Toronto Graduate Workshops*
· Graduate Student Teaching Workshop *May 2022 – June 2022*

**Memberships**
· Cognitive Development Society
· Cognitive Science Society
· Society for Mathematical Psychology
· Society for Personality and Social Psychology
· Society for Research in Child Development

## SKILLS

**Programming Languages**
· R Statistical Programming
· Stan
· Python
· Java
· WebPPL Probabilistic Programming
· LaTeX

**Research Methods**
· Bayesian cognitive modelling
· Deep reinforcement learning
· EEG (HydroCel Geodesic Sensor Net)
· Eye-tracking (EyeLink, Positive Science)
· Qualtrics survey design
· SONA Systems