REBEKAH A. GELPI

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Department of Psychology ⋄ University of Toronto

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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 *September 2019 - August 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 *September 2011 - December 2016*
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*

RESEARCH EXPERIENCE

Toronto Early Cognition Lab University of Toronto
Graduate student (PI: Dr. Jessica Sommerville) *March 2020 - present*

· Design and lead online behavioural studies in cultural learning and sociomoral development
· Supervise undergraduate independent research projects

Social Cognitive Science Lab University of Toronto
Graduate student (PI: Dr. Wil Cunningham) *September 2019 - present*

· Design and lead experiments using online behavioural methods investigating ingroup biases

Computational Cognitive Development Lab University of Toronto; Brown University
Graduate student, Research assistant (PI: Dr. Daphna Buchsbaum) *December 2018 - present*

· Design and lead experiments using online and face-to-face behavioural methods investigating learning
  and belief revision in children and adults
· Develop computational models to predict learning behaviour on cognitive tasks
· Supervise undergraduate independent research projects

Perception and Cognition Lab Swarthmore College
Research assistant (PI: Dr. Frank Durgin) *January 2016 - August 2017*

· Designed and led experiments using eye-tracking and EEG methods into processing of figurative language
  in adults
· Completed undergraduate thesis project

Cognition and Development Lab   Swarthmore College
Research assistant (PI: Dr. Stella Christie)   *May 2014 - August 2014*

· Designed and led experiments focusing on analogical reasoning in young children

PUBLICATIONS

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

Rachev, N. R., Han, H., Lacko, D.*, **Gelpi, R.***, Yamada, Y., & Lieberoth, A. (under review). Replicating the "Disease" framing paradigm during the 2020 COVID-19 pandemic: A study of stress, worry, trust, and choice under risk. https://doi.org/10.31234/osf.io/rbfwp

Lieberoth, A., Lin, S.-Y., Stöckli, S., Han, H., Kowal, M., **Gelpi, 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 **Gelpi, 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

Gelpi, 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., **Gelpi, R.**, Lucas, C. G., & Buchsbaum, D. (in press). Modelling recognition in human puzzle solving. In *Proceedings of the 43rd Annual Meeting of the Cognitive Science Society.*

Gelpi, 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., & **Gelpi, 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).

PRESENTATIONS

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

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

Gelpi, 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., **Gelpi, 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.

Gelpi, 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., **Gelpi, 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.

Gelpi, 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.

Gelpi, R. (2020, March). Predicting belief revision with Bayesian models. Invited talk for Re:Cognition speaker series, Toronto, Canada.

Gelpi, 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., & **Gelpi, 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.

HONOURS AND AWARDS

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

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*

Guest Lectures

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

Workshops

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

Heather Chong (Undergraduate Research Opportunity Program, 2020–2021)

William Ai (Undergraduate Research Opportunity Program, 2020;
Undergraduate Independent Study Project, 2020–2021)

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

Service

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*

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*

Memberships

· Cognitive Science Society
· Cognitive Development Society

· Society for Personality and Social Psychology

· Society for Research in Child Development

SKILLS

Programming Languages

· R Statistical Programming

· Python

· Java

· JavaScript (Node, React)

· WebPPL Probabilistic Programming

· LaTeX

Research Methods

· EEG (HydroCel Geodesic Sensor Net)

· Eye-tracking (EyeLink, Positive Science)

· Qualtrics survey design