

# REBEKAH A. GELPI

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## EDUCATION

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**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

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**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

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

## PUBLICATIONS

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*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 “Asian 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/rbfpw>

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., Čepulić, 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

**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

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**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 to be presented at the SRCD 2021 Virtual Biennial Meeting.

*Arefhaghi, D.*, **Gelpi, R.**, & Sommerville, J. A. (2021, April). Children’s integration of prior evidence and facial cues in generalizations about antisocial behaviour. Poster to be 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 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

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

## TEACHING EXPERIENCE

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### Teaching Assistant

Introduction to Cognitive Psychology (PSY270H)	<i>September 2019 - December 2019</i>
The Psychology of Prejudice (PSYC12)	<i>September 2020 - December 2020</i>
Social Development (PSY311H)	<i>January 2021 - April 2021</i>

### Guest Lectures

Social Development (PSY311H): Introduction to Bayesian Inference	<i>September 2020</i>
Social Development (PSY311H): Moral Judgment and Behaviour	<i>March 2021</i>

### 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

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### Service

Treasurer, Psychology Graduate Students Association	<i>September 2020 - present</i>
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Secretary, Psychology Graduate Students Association  
Webmaster, Psychology Graduate Students Association  
Diversity and Inclusion Committee, Best Research  
Practices Working Group, University of Toronto  
Co-Organizer, Psychology Undergraduate Research Club

*September 2019 - August 2020*

*September 2019 - August 2020*

*June 2020 - present*

*September 2020 - present*

### **Memberships**

- Cognitive Science Society
- Cognitive Development Society
- Society for Personality and Social Psychology
- Society for Research in Child Development

## **SKILLS**

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### **Programming Languages**

- R Statistical Programming
- Python
- Java
- JavaScript (Node, React)
- WebPPL Probabilistic Programming
- L<sup>A</sup>T<sub>E</sub>X

### **Research Methods**

- EEG (HydroCel Geodesic Sensor Net)
- Eye-tracking (EyeLink, Positive Science)
- Qualtrics survey design