

# Yu Luo

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## Education

Ph.D.	University of British Columbia (Cognitive Science)	2018-present
M.A.	University of British Columbia (Cognitive Science)	2016-2018
B.Sc.	University of British Columbia (Behavioral Neuroscience)	2012-2015

## Awards & Fellowships

<i>SSHRC Doctoral Fellowship</i> (Total: \$80,000)	2019-2023
<i>Four-Year Doctoral Fellowship Tuition Award</i> (Total: \$15,000)	2019-2023
<i>Four-Year Doctoral Fellowship</i> (Total: \$72,800, accepted in title only)	2019-2023
<i>Cordula and Gunter Paetzold Fellowship</i> (Total: \$36,000, accepted in title only for the second year)	2018-2020
<i>Department of Psychology Tuition Award</i> (Total: \$5000)	2018-2019
<i>Graduate Entrance Scholarship</i> (Total: \$17,500)	2016-2017
<i>Elizabeth Young Lacey Scholarship</i>	2016-2017
<i>Dean's Honor List, Faculty of Science</i>	2014-2015

## Research Grants

<i>Environment and Climate Change Canada</i> Title: Using behavioural intervention to nudge consumers to reduce single-use produce bags at grocery stores in Canada Role: Project Manager (Total: \$80,000)	2020-2022
<i>Mitacs-Accelerate Grant (IT11777)</i> Title: Using commitment to reduce plastics waste in the marine environment Role: Project Manager (Total: \$15,000)	2018-2019
<i>Mitacs-Accelerate Grant (IT09935)</i> Title: Cognitive and well-being impacts of tunable LED lighting in secondary school students Role: Project Manager (Total: \$30,000)	2017-2019
<i>Mitacs-Accelerate Grant (IT07400)</i> Title: Multi-dimensional wellbeing: Examining how financial, social, health, and environmental factors interactively determine subjective wellbeing Role: Project Manager (Total: \$30,000)	2016-2017

## **Publications**

### **Journal Articles**

- Zhao, J. & **Luo, Y.** (in press). A framework to address cognitive biases of climate change. *Neuron*
- Luo, Y.** & Zhao, J. (2021). Attentional and perceptual biases of climate change. *Current Opinion in Behavioral Sciences*, 42, 22-26.
- Luo, Y.** & Zhao, J. (2019). Motivated attention in climate change perception and action. *Frontiers in Psychology*, 10:1541.
- Ru, Q., **Luo, Y.**, Osherson, D., & Zhao, J. (2019). Perception of multi-dimensional regularities is driven by salience. *Attention, Perception, & Psychophysics*, 81, 1564–1578.
- Luo, Y.**, Zelenika, I., & Zhao, J. (2019). Providing immediate feedback improves recycling and composting accuracy. *Journal of Environmental Management*, 232, 445-454.
- Luo, Y.** & Zhao, J. (2018). Statistical learning creates novel object associations via transitive relations. *Psychological Science*, 29, 1207-1220.
- Zhao, J. & **Luo, Y.** (2017). Statistical regularities guide the spatial scale of attention. *Attention, Perception, & Psychophysics*, 79, 24-30.

### **Manuscripts in Progress (available upon request)**

- Luo, Y.** Douglas, J., Pahl, S., & Zhao, J. (under review). Reducing plastic waste by visualizing marine consequences.
- Luo, Y.**, Soman, D., & Zhao, J. (under review). A meta-analytic cognitive framework of nudge and sludge.

### **Conference Proceedings**

- Luo, Y.** & Zhao, J. (2019). Statistical learning creates implicit subadditive predictions. In A.K. Goel, C.M. Seifert, & C. Freksa (Eds.), *Proceedings of the 41st Annual Conference of the Cognitive Science Society* (pp. 2221-2227). Austin, TX: Cognitive Science Society.
- Luo, Y.** & Zhao, J. (2017). Learning induced illusions: Statistical learning creates false memories. In G. Gunzelmann, A. Howes, T. Tenbrink, & E. J. Davelaar (Eds.), *Proceedings of the 39th Annual Conference of the Cognitive Science Society* (pp. 774-779). Austin, TX: Cognitive Science Society.
- Luo, Y.** & Zhao, J. (2016). Statistical learning creates novel object associations via transitive relations. In A. Papafragou, D. Grodner, D. Mirman, & J.C. Trueswell (Eds.), *Proceedings of the 38th Annual Conference of the Cognitive Science Society* (pp. 984-989). Austin, TX: Cognitive Science Society.

### **Conference Presentations**

- Luo, Y., & Odic, D., Zhao, J. (2021, May).** Decreases loom larger than increases: Asymmetry in perceiving decreasing and increasing patterns underlies loss aversion. Poster to be presented at *Vision Sciences Society*, Virtual.
- Luo, Y., & Odic, D., Zhao, J. (2020, December).** Decreases loom larger than increases: Asymmetry in perceiving decreasing and increasing patterns underlies loss aversion. Poster presented at *Society for Judgment and Decision Making*, Virtual.
- Douglas, J., **Luo, Y., & Zhao, J. (2019, November).** Using behavioral interventions to reduce plastics waste in an office environment. Talk presented at *BIG Difference for BC 2019*, Vancouver, BC.
- Luo, Y. & Zhao, J. (2019, November).** Nudging to reduce plastics waste in an office environment. Poster presented at *Society for Judgment and Decision Making*, Montreal, Canada.
- Luo, Y., Douglas, J., VandenEnden, A., Pela, W., & Zhao, J. (2019, September).** Using behavioural interventions to reduce plastics waste in an office environment. Poster presented at *Behavioral Insights into Business for Social Good*, Vancouver, Canada.
- Luo, Y. & Zhao, J. (2019, July).** Statistical learning enables implicit subadditive predictions. Poster presented at *Cognitive Science Society*, Montreal, Canada.
- Luo, Y. & Zhao, J. (2019, May).** Statistical learning enables implicit subadditive predictions. Poster presented at *Vision Sciences Society*, St. Pete Beach, FL.
- Zhao, J. & **Luo, Y. (2019, March).** Motivated attention framework of climate change perception and action. Talk at *International Convention of Psychological Science*, Paris, France.
- Zhao, J. & **Luo, Y. (2018, November).** Motivated attention framework of climate change perception and action. Poster at *Society for Judgment and Decision Making*, New Orleans, LA.
- Zhao, J. & **Luo, Y. (2018, October).** Motivated attention in climate change perception and action. Talk at *Society of Experimental Social Psychology*, Seattle, WA.
- Zhao, J. & **Luo, Y. (2018, May).** Motivated attention in the perception and action of climate change. Poster at *Vision Sciences Society*, St. Pete Beach, FL.
- Luo, Y. & Zhao, J. (2018, May).** Automatic prospective and retrospective activation of object representations during statistical learning. Poster at *Vision Sciences Society*, St. Pete Beach, FL.
- Luo, Y. & Zhao, J. (2017, November).** Attentional bias in the perception of climate change data driven by political orientation. Poster at *Society for Judgment and Decision Making*, Vancouver, BC.
- Luo, Y. & Zhao, J. (2017, July).** Learning induced illusions: Statistical regularities create false memories. Talk at *Cognitive Science Society*, London, UK.
- Luo, Y., Wang, Y., & Zhao, J. (2017, May).** Cognitive biases in the perception of climate change Poster at *Association for Psychological Science*, Boston, MA.

- Luo, Y.** & Zhao, J. (2017, May). Learning induced illusions: Statistical regularities create false memories. Poster at *Vision Sciences Society*, St. Pete Beach, FL.
- Luo, Y.** & Zhao, J. (2016, November). Judgment biases in the perception and prediction of non-linear changes. Poster at *Society for Judgment and Decision Making*, Boston, MA.
- Luo, Y.** & Zhao, J. (2016, August). Statistical learning creates novel object associations via transitive relations. Poster at *Cognitive Science Society*, Philadelphia, PA.
- Luo, Y.**, Giammarco, M., & Zhao, J. (2016, June). Identifying and correcting recycling and composting biases. Poster at *Canadian Psychological Association*, Victoria, BC.
- Zhao, J. & **Luo, Y.** (2016, June). Resource visibility reduces consumption. Poster at *Canadian Psychological Association*, Victoria, BC.
- Luo, Y.** & Zhao, J. (2016, May). Statistical learning creates novel object associations via transitive relations. Talk at *Vision Sciences Society*, St. Pete Beach, FL.
- Wang, Y., **Luo, Y.**, Echeverri, A., & Zhao, J. (2016, May). Visual and numerical representations of dynamic systems. Poster at *Vision Sciences Society*, St. Pete Beach, FL.
- Luo, Y.**, Giammarco, M., & Zhao, J. (2015, November). Identifying recycling and composting biases. Poster at *Society for Judgment and Decision Making*, Chicago, IL.
- Luo, Y.** & Zhao, J. (2015, May). Stimulus-specific regularities as a basis for perceptual induction. Poster at *Vision Sciences Society*, St. Pete Beach, FL.
- Luo, Y.** & Zhao, J. (2014, May). Statistical regularities alter the spatial scale of attention. Talk at *Vision Sciences Society*, St. Pete Beach, FL.

## Research Experience

- Research Assistant**, Behavioral Sustainability Lab 2013-2016  
 Supervisor: Dr. Jiaying Zhao  
 Department of Psychology, University of British Columbia
- Research Assistant**, Structural Equation Modelling Lab 2015-2016  
 Supervisor: Dr. Victoria Savalei  
 Department of Psychology, University of British Columbia
- Co-project Leader**, Motivated Cognition Lab 2015  
 Supervisors: Dr. Rebecca Todd and Dr. Jennifer Whitman,  
 Department of Psychology, University of British Columbia
- Research Assistant**, Social Identity Lab 2014  
 Supervisor: Dr. Toni Schmader  
 Department of Psychology, University of British Columbia

## Work Experience

- Survey Coordinator**, UBC Graduate Student Society 2019-present  
**Sustainability Consultant**, Fraser Health 2019-2020

<b>Mitacs Intern</b> , Ocean Wise	2018
<b>Mitacs Intern</b> , BC Hydro	2018-2019
<b>Voting Officer</b> , City of Vancouver	2018
<b>Analytics Consultant</b> , WATT Consulting Group	2018
<b>Voting Officer</b> , Elections BC	2017
<b>Mitacs Intern</b> , Balance Well-Being Centre Inc.	2016
<b>Voting Clerk</b> , Elections Canada	2015
<b>Lab Manager</b> , Behavioral Sustainability Lab, UBC	2015-2016

## Teaching

<b>Teaching Assistant</b> in Psyc102 Introduction to Psychology	2016-present
<b>Teaching Assistant</b> in Psyc101 Introduction to Psychology	2017-present

## Mentoring

Alexandra Lillywhite, Aaron Kwong, Emma Collette, Minou Truong, Jessie Pan, Andrew Li, Alyssa Casavant, Eugenia Vaniartha, Brandon Kan, Nil Polat, Yinuo Lu, Misha Afzaal, Clarence Han, Matyas Barta, Aydan Kesici, Robyn Ma, Heloise Brun, Yu Wang, Desmond Fung

## Society Membership

Vision Science Society	2013-present
Cognitive Science Society	2015-present
Society for Judgment and Decision Making	2015-present
Canadian Psychological Association	2015-2016
UBC Psychology Student Association	2013-2015
Society of Philosophy and Psychology	2013-2014

## Skills

Computer programming: MATLAB, Python  
 Statistical analyses: R, SPSS, Excel, Power BI  
 Web design: HTML, CSS, PHP, JavaScript  
 Design: Illustrator, Photoshop, InDesign  
 Survey tool: Qualtrics