

# Belinda Xie

SCIENTIA PHD CANDIDATE

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## Education

### University of New South Wales

Sydney, NSW

PHD

2017 - Current

- **Research Question:** How does dependency within a sample of evidence influence reasoning?
- **Supervisors:** Brett K. Hayes, Danielle J. Navarro, Chris Donkin

### University of Western Australia

Crawley, WA

BACHELOR OF SCIENCE (FIRST CLASS HONOURS), GPA: 6.7/7

2012 - 2016

- **Double majors:** Psychological Science and Psychology in Society
- **Honours Thesis:** "Help me understand climate change: Group discussions improve success rates on the Carbon Dioxide Accumulation Task"
- **Honours Supervisors:** Mark J. Hurlstone, Iain Walker
- **Exchange:** University of Washington, Seattle, USA — 2013-2014, GPA: 3.9/4

## Other Education

### Communication and Presentation Skills

Sydney, NSW

'INFLUENTIAL WOMEN' RUN BY THE NATIONAL INSTITUTE OF DRAMATIC ARTS (NIDA)

2020

- Gained physical and vocal communication skills
- Critically assessed and improved my presentation style

### Computational Modeling

Dijon, France

FOURTH EUROPEAN SUMMER SCHOOL ON COMPUTATIONAL AND MATHEMATICAL MODELING OF COGNITION

2018

- One of 33 participants from 100 international applicants
- Gained skills in computational modeling, R, JAGS

### Bayesian Modeling

Amsterdam, the Netherlands

EIGHTH ANNUAL JAGS AND WINBUGS WORKSHOP: BAYESIAN MODELING FOR COGNITIVE SCIENCE

2018

- Increased competency in Bayesian modeling and JAGS

### Bayesian Statistics

Amsterdam, the Netherlands

THEORY AND PRACTICE OF BAYESIAN HYPOTHESIS TESTING: A JASP WORKSHOP

2018

- Improved understanding of various Bayesian statistical tests

### Climate Change Denialism

Online

MAKING SENSE OF CLIMATE SCIENCE DENIAL, UQx (UNIVERSITY OF QUEENSLAND)

2016

- Learnt about the systemic and psychological causes of climate denialism

### Scientific Writing

Online

WRITING IN THE SCIENCES, STANFORD ONLINE

2016

- Learnt to make my writing more concise and comprehensible

## Awards and Grants

### Scientia PhD Scholarship

UNSW

2018 - Present

- One of 50 recipients university-wide from 2400 invited Expressions of Interest
- Annual stipend of \$40,000 and annual \$10,000 career development package

### UNSW Women in Maths and Science Champion

UNSW

2019 - 2020

- One of 22 women chosen to participate
- Gained presentation, leadership, and science communication skills
- Completed over 15 hours of outreach, including media interviews, community talks, and educational sessions with school students

## Healthy Labs Scholarship

UNSW GRADUATE RESEARCH SCHOOL

2019

- Our team of five designed an online module to improve mental health in PhD candidates
- I focused on Social aspects of mental health - providing skills in Personal Relationships and Community Engagement
- One-off grant of \$2,500

## Best Student Presentation

AUSTRALASIAN SOCIETY FOR EXPERIMENTAL PSYCHOLOGY

2018

- Awarded at the 45th Annual Conference of the Australasian Society for Experimental Psychology
- \$200 cash

## Publications

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### 2019

- **Xie, B.**, Brewer, M. B., Hayes, B. K., McDonald, R. I., & Newell, B. R. (2019). Predicting climate change risk perception and willingness to act. *Journal of Environmental Psychology*, 65, 101331. doi: 10.1016/j.jenvp.2019.101331

### 2018

- **Xie, B.**, Hurlstone, M. J., & Walker, I. (2018). Help me understand climate change: Groups outperform individuals in the Climate Stabilization Task. *Frontiers in Psychology*, 9(2274). doi: 10.3389/fpsyg.2018.02274
- **Xie, B.**, Hayes, B. K., & Navarro, D. (2018). Adding types, but not tokens, affects the breadth of property induction. In T. T. Rogers, M. Rau, X. Zhu, & C. W. Kalish (Eds.), *Proceedings of the 40th Annual Conference of the Cognitive Science Society*. Austin, TX: Cognitive Science Society.

## Conference Presentations

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"THE SOCIO-PSYCHOLOGICAL PREDICTORS OF AUSTRALIANS' WILLINGNESS TO MITIGATE CLIMATE CHANGE"

2020

- **Talk**, Just Transitions Interdisciplinary Postgraduate Conference (Sydney, Australia)

"BAYES FOR NEW AND OLD: MODELLING TYPE AND TOKEN EFFECTS IN INDUCTION"

2020

- **Talk**, Australian Mathematical Psychology Conference (Coogee, Australia)

"INDEPENDENT TESTIMONIES ARE NO BETTER THAN SEQUENTIAL TESTIMONIES IN JUDGMENTS UNDER UNCERTAINTY"

2019

- **Poster**, 60th Annual Meeting of the Psychonomic Society (Montreal, Canada)

"SEQUENTIAL TESTIMONY IS AS GOOD AS INDEPENDENT TESTIMONY IN JUDGMENTS UNDER UNCERTAINTY"

2019

- **Talk**, Australasian Mathematical Psychology Conference (Melbourne, Australia)

"ADDING TYPES, BUT NOT TOKENS, AFFECTS THE BREADTH OF PROPERTY INDUCTION"

2018

- **Talk**, 40th Annual Conference of the Cognitive Science Society (Madison, USA)
- **Talk**, 45th Annual Conference of the Australasian Society for Experimental Psychology (Hobart, Australia)

"HELP ME UNDERSTAND CLIMATE CHANGE"

2016

- **Talk**, University of Western Australia School of Psychology Honours Conference

"CULTURAL CLASH AT THE UNIVERSITY: WHEN FAMILY AND COLLEGE COLLIDE"

2014

- **Poster**, University of Washington Undergraduate Research Symposium

## Media

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### 2020

- Interviewed by Manuela Tugliani, 16-years-old, in her winning submission to the journalism contest run by Giornalisti nell'Erba. Tugliani, M. (2020) Quando il consenso unanime degli scienziati non basta. Retrieved from [Giornalisti nell'Erba](#).
- Interviewed in: Tang, C. (2020, February 7) Climate change denialism is something we all suffer from. Retrieved from [UNSW Newsroom](#).
- Interviewed in: Filatoff, N. (2020, February 10). The psychology of climate-change denial – we're all on the spectrum. Retrieved from [pv magazine](#).
- Consulted for: Yun, J. (2020, January 24). This is the country that doubts climate science the most. Retrieved from [Yahoo Finance](#).
- Consulted for: Williams, L. (2020, January 17). The Impact Of Climate Denialism Can't Be Ignored. Retrieved from [Gizmodo](#).

### 2019

- **Xie, B.** & Newell, B. (2019, September 18). Why attending a climate strike can change minds (most importantly your own). *The Conversation*. Retrieved from [The Conversation](#).

## Teaching Experience

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### PSYC3341 - Tutor, Senior Tutor

DEVELOPMENTAL PSYCHOLOGY

- 2020: 40 students - included Digital Uplift
- 2019: 72 students - Senior Tutor
- 2018: 43 students
- 2017: 37 students

UNSW

2017 - Present

### PSYC1001 - Tutor

PSYCHOLOGY 1A

- 2019: 55 students

UNSW

2019

### PSYC1024 - Casual Marker

CLINICAL PERSPECTIVES ON ANXIETY, MOOD AND STRESS

- Assessed students' final assignments

UNSW

2018

## Other Research Experience

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### Department of Corrective Services

RESEARCH ASSISTANT

- Helped the Rehabilitation and Reintegration team assess the efficacy of prison programs
- Compiled Psychosocial Profiles and Risk Analyses (Static-99Rs)
- Consulted databases, read court documents, and created case files

Perth, WA

2014-16

### Womens Health and Family Services

DATA ANALYST

- Assessed the efficacy of the "Buried in Treasures" program for treating Hoarding Disorder
- Created questionnaires and coding criteria, then performed statistical analyses

Perth, WA

2015

### Thinkfield

MARKET RESEARCH INTERVIEWER AND HOSTESS

- Collected information required to understand public views, guide business strategy, and/or secure project approvals
- Surveyed customers, businesses, and stakeholders
- Organised focus groups

Leederville, WA

2014 - 17

### Department of Psychology, University of Washington, Seattle

RESEARCH ASSISTANT

- Examined how students' bicultural conflict induces distress and influences decision-making
- Programmed experiments, organised timeslots, and interviewed participants

Seattle, USA

2013 - 14

## Skills

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**Peer-Reviewing** Journal of Environmental Psychology (from 2019)

**Programming** R, JavaScript, jsPsych, JAGS

**Other Software** JASP, SPSS, Excel

**Web Services** Amazon Mechanical Turk, Qualtrics, CATI

**Languages** English, Cantonese Chinese, German

## Volunteering and Outreach

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### UNSW Climate Change Network

ORGANISING MEMBER

- The Network organises events, provides resources, and connects members of the university community who want to act urgently against climate change
- Moderated the "Green Jobs Now! What are they and where are they?" webinar, organised with UNSW Environment Collective and UNSW Sustainability

UNSW

2018 - Present

### Citizens' Climate Lobby NSW

GUEST SPEAKER

- I spoke in the monthly meeting about the psychology of climate change beliefs and behaviour

Sydney, NSW

2020

## Waverley Council

Sydney, NSW

### GUEST SPEAKER

2020

- I spoke to staffers from Sustainability, Waste, and Ecology teams about the psychology of climate change beliefs and behaviour
- I also spoke in the "Lunchtime Webinar: Inspiring Community Actions on Climate Change" aimed at local interest groups

## North Sydney Girls' High School

Crows Nest, NSW

### EXPERT VISITOR FOR AGENTS OF CHANGE PROJECTS

2019

- Year 10 students completed self-driven group projects on the topic of climate change solutions
- I spoke with students and gave feedback, particularly to groups working on solutions targeting the psychology behind behaviour change

## Arludo

Sydney, NSW

### GUEST SCIENTIST ON YOUTUBE LIVE SHOWS

2019

- Arludo develops engaging mobile games to teach students of all genders, ages, and socioeconomic backgrounds about science
- During a live stream to rural classrooms (e.g., [youtube.com/watch?v=JGopOUZQSHU](https://www.youtube.com/watch?v=JGopOUZQSHU)), I helped explain key psychological principles and answered student questions about myself to normalise science and scientists

## Inner West Council

Annandale, NSW

### PANEL MEMBER AT FOOTPRINTS EcoFESTIVAL

2019

- I was invited to this panel to discuss how to turn despair and inaction into climate change action and hope
- Panellists were Costa Georgiadis (Gardening Australia), Emma Bowen (Pocket City Farms), Tom Hume (Pingala)

## UNSW School of Psychology

UNSW

### HONOURS PEER MENTOR

2019

- Provide Honours students with information, advice, and a space to express concerns

## Thoughtful Foods Co-Operative Ltd.

Kensington, NSW

### SHOP SHIFT VOLUNTEER

2019 - Present

- Thoughtful Foods is a not-for-profit source of minimally-packaged and ethically-sourced food
- I work a weekly shift manning the till, restocking, and cleaning the store