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Tianwei Gong

Education

2020–present **PhD in Psychology**, *School of Philosophy,Psychology and Language Sciences*.
Supervisor: Dr. Neil R. Bramley
University of Edinburgh, UK

2019–2020 **MRes in Psychology**, *School of Philosophy,Psychology and Language Sciences*.
Supervisor: Dr. Neil R. Bramley
University of Edinburgh, UK

2014–2018 **BSc in Psychology**, *Faculty of Psychology*.
Beijing Normal University, China

Publications

2022 **Gong, T.** & Bramley, N. R. (2022). Intuitions and perceptual constraints on causal learning from dynamics. In *Proceedings of the 44th Annual Meeting of the Cognitive Science Society*. [Link]

Gong, T., & Bramley, N. R. (2022). Continuous time causal structure induction with prevention and generation. *PsyArxiv*. [Link]

Gong, T., Gerstenberg, T., Mayrhofer, R., & Bramley, N. R. (2022). Active causal structure learning in continuous time. *PsyArxiv*. [Link]

2021 **Gong, T.** & Bramley, N. R. (2021). Learning preventative and generative causal structures from point events in continuous time. In *Causal Inference & Machine Learning workshop at 35th Neural Information Processing Systems conference*. [Link]

Gong, T., Young, G. A., & Shtulman, A. (2021). The development of cognitive reflection in China. *Cognitive Science.*,*45*(4), e12966. [Link]

Gong, T., & Shtulman, A. (2021). The plausible impossible: Chinese adults hold graded notions of impossibility. *Journal of Cognition and Culture.*,*21*(1-2), 76-93. [Link]

2020 **Gong, T.** & Bramley, N. R. (2020). What you didn't see: Prevention and generation in continuous time causal induction. In *Proceedings of the 42nd Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society. [Link]

Gong, T. & Shtulman, A. (2020). The plausible impossible: Graded notions of impossibility across cultures. In *Proceedings of the 42nd Annual Meeting of the Cognitive Science Society*. Austin, TX: Cognitive Science Society. [Link]

Yu, S., Li, B., Zhang, M., **Gong, T.**, Li, X., Li, Z., ... & Chen, C. (2020). Automaticity in processing spatial-numerical associations: Evidence from a perceptual orientation judgment task of Arabic digits in frames. *PloS One*, *15*(2), e0229130. [Link]

2019 **Gong, T.**, Li, B., Teng, L., Zhou, Z., Gao, X., & Jiang, T. (2019). The association between number magnitude and space is dependent on notation: Evidence from an adaptive perceptual orientation task. *Journal of Numerical Cognition*, *5*(1), 38-54. [Link]

2016 Zhang, M., Gao, X., Li, B., Yu, S., **Gong, T.**, Jiang, T., ... & Chen, Y. (2016). Spatial representation of ordinal information. *Frontiers in Psychology*, *7*, 505. [Link]

Under review **Gong, T.**, Gao, X., & Jiang, T. (in revision). FAB: A "dummy's" program for self-paced forward and backward learning. [Link]

Gong, T., Li, J., Yeung, J. Y., & Zhang, X. (in revision). Academic pathways: Understand the relationship between academic performance and students' course selection and allocation.

Presentations

Apr 2022 *Active causal structure learning in continuous time.* Talk presented at Computational Principles of Intelligence Lab, MPI for Biological Cybernetics, Tübingen, Germany, virtually

Dec 2021 *Learning preventative and generative causal structures from point events in continuous time.* Poster presented at NeurIPS2021 (WHY21 Workshop), virtually.

Nov 2021 *Active causal structure learning in continuous time.* Talk presented at Human Cognitive Neuropsychology seminar, University of Edinburgh.

Jul 2020 *What you didn't see: Prevention and generation in continuous time causal induction.* Poster presented at CogSci2020, virtually.

Jul 2020 *The plausible impossible: Graded notions of impossibility across cultures.* Poster presented at CogSci2020, virtually.

May 2018 *Similarity-induced interference in sentence processing: the (missing) role of pragmatics.* Poster presented at APS2018, San Francisco, USA.

Feb 2017 *The association between number magnitude and space is dependent on notation.* Talk presented at Jing-Stevenson-Zhang research symposium, University of Michigan, Ann Arbor, USA.

Awards and Scholarships

2020–2023 School of PPLS PhD Scholarship, £15,700 per year & tuition fees, University of Edinburgh, UK.

2018 Conference Travel Grant, $200, Association for Psychological Science, USA.

2018 Outstanding Undergraduate Student, ¥1,000, Beijing Municipal Education Commission, China.

2015–2017 Undergraduate Research Grants, ¥3,000, Beijing Normal University, China.

2014–2017 Academic Scholarship, ¥3,000-5,000 per year, Beijing Normal University, China.

Research Experiences

2018–2019 **Postbac Researcher**, *Occidental College, USA (remotely)*.
Supervisor: Dr. Andrew Shtulman
Topics: cognitive reflection, magic thinking, cross-cultural cognition

2018–2019 **Postbac Researcher**, *Queensland University of Technology, Australia (remotely)*.
Supervisor: Dr. Xuefei Gao
Topics: language processing, perceptual simulation, situation integration, psychological toolkit development

2016–2018 **Undergraduate Research Assistant**, *Beijing Normal University, China*.
Supervisor: Dr. Jian Li
Topics: data mining, psychometric, ecological measurement, game-based assessment

2015–2017 **Undergraduate Research Assistant**, *Beijing Normal University, China*.
Supervisor: Dr. Ting Jiang
Topics: numerical cognition, mental number line, automatic processing

Teaching

University of Edinburgh.

2022- Teaching Assistant&Marker, Computational Cognitive Science, Undergraduate, School of Informatics.

2021- Demonstrator&Marker, Univariate Statistics and Methodology using R, Master, School of Psychology.

2021-2022 Demonstrator&Marker, Data Analysis for Psychology in R 1, Undergraduate, School of Psychology.

2021-2022 Demonstrator&Marker, Psychology 2, Undergraduate, School of Psychology.

2020-2022 Teaching Assistant&Marker, Causal Cognition, Undergraduate, School of Psychology.

2020-2021 Marker, Introduction to Cognitive Science, Undergraduate, School of Informatics.

Reviews

2022- Journal of Experimental Psychology: Learning, Memory, and Cognition (1)

2021- Cognitive Science Conference Proceedings (4)

Skills

Modelling/ Statistics	R, Python, MATLAB, SPSS, JASP, Jamovi, Stan
Experimentation	JavaScript, HTML, CSS, SQL, Psychtoolbox, Eye-link, Qualtrics, Mturk, Psiturk
Document Preparation	Jupyter, Markdown, RMarkdown, LaTeX
Languages	English (fluent), Chinese Mandarin (native), Japanese (basic)