Dongqi (Sherry) Bao

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Education

University of Zurich — *Switzerland*
PH.D. IN NEUROECONOMICS — *09/2020 - 08/2025(Expected)*
ETH Zurich — *Switzerland*
M.S. IN COMPUTATIONAL BIOLOGY AND BIOINFORMATICS — *09/2016 - 07/2019*
Tianjin University — *China*
B.E. IN PHARMACEUTICAL ENGINEERING — *09/2012 - 07/2016*
- Bachelor's thesis completed at Western University, Canada

Research Experience

2020-Now **University of Zurich**, Advisor: Todd Hare
2019-Now **New York University**, Advisor: Wei Ji Ma
2019   **University College London**, Advisor: Emma Holmes, Karl Friston
2018   **University of Zurich**, Advisor: Dominik Bach, Giuseppe Castegnetti
2018   **ETH Zürich**, Advisor: Frederike Petzschner, Lilian Weber, Klaas Enno Stephan

RESEARCH TRAINING

2022   **Deep Learning Summer School**, Neuromatch Academy

Publications

Bao, S. D., Edelson, M., Hare, T. A.. Deciding for others alters metacognition, leading to responsibility aversion. *PsyArxiv* [PDF]

Schaffner, J., **Bao, S. D.**, Tobler, P. N., Hare, T. A., & Polania, R. (2023). Sensory perception relies on fitness-maximizing codes. *Nature Human Behaviour* [PDF]

Luo, X., Rechardt, A., Sun, G., Nejad, K. K., Yáñez, F., Yilmaz, B., ...(**Bao, S. D.**) & Love, B. C. (2024). Large language models surpass human experts in predicting neuroscience results. *Accepted in Nature Human Behaviour* [PDF]

Wu, X., Fu, H., Zhang, T., **Bao, S. D.**, Hu, J., Zhu, R., Feng, C., Gu, R., Liu, C.(2024). A Cognitive Computational Mechanism for Mutual Cooperation: The Roles of Positive Expectation and Social Reward. *Acta Psychologica Sinica* [PDF]

Presentations
* equal contribution

CONFERENCE PRESENTATIONS

Bao, S. D., Edelson, M., Hare, T. A.. Cognitive mechanism of decision-making under social responsibility *Society for NeuroEconomics Annual Meeting 2024.* Selected as an Oral presentation

Bao, S. D., Lombardi, G., Li, D., Feher da Silva, C., Hare, T. A.. Redefining Attribute Weighting in Food and Social Choices: Evidence for Non-linear Models. *Society for NeuroEconomics Annual Meeting 2023.* Selected as a Spotlight talk

Bao, S. D., Edelson, M., Hare, T. A.. Cost or confidence: why do we avoid making decisions for others? *Society for NeuroEconomics Annual Meeting 2022*

Kim, D.*, **Bao, S. D.***, Fu, Q., Ma, W. J.. Undoing in human planning. *Annual Conference of the Cognitive Science Society (CogSci) 2022*

Talks

2023	**Sharot Lab Meeting**, UCL & MIT	*Virtual*
2021, 2022	**MPGSN Annual Symposium**, University of Zurich	*Switzerland*
2021, 2024	**SNS Lab Retreat**, University of Zurich	*Switzerland*
2019	**Theoretical Neurobiology Lab Meeting**, UCL	*UK*

Awards & Fellowships

Selcted fellowships

2025	**Candoc Grant**, University of Zurich	*CHF 50,824*
2020-2024	**Marlene Porsche Scholarship**, University of Zurich	*CHF 198,160*
2017	**Birkigt Scholarship**, ETH Zurich	*CHF 10,200*
2016	**National Scholarship for Bachelor's thesis**, Western University	*CAD 6,000*

Selected awards

2023	**SNE 2023 Travel Award**, Society for NeuroEconomics	*USD 500*
2015	**Top 120 Outstanding Students for 120th Anniversary**, Tianjin University	
2015	**Best New Basic Part**, iGEM Competition	*2/280 teams*
2015	**Best New Application Project**, iGEM Competition	*2/31 teams*

Mentoring, Outreach & Professional Development

Mentoring

2017	**iGEM TJU_China Team**, Tianjin, University
2024	**Master's student lab rotation**, Janice Lienhard

Service and Outreach

2024	**SNS Lab Retreat Event "Growing Up in Your Career"**, Organizer
2023	**Neuroeconomics Seminar at University of Zurich**, Organizer
2022-2024	**Disability Commission at University of Zurich**, Deputy
2021	**Neuroeconomics Journal Club at University of Zurich**, Organizer
2020	**PhD application guide for Neuroscience/Psychology students**, Co-author
2017	**iGEM competition**, Judge

Leadership

2015	**Co-leader and Co-founder of iGEM Tianjin team**, iGEM Competition

Skills

Methods	statistical modeling, machine learning, cognitive modeling
Programming	Python, R, JavaScript, HTML/CSS, MATLAB, SQL, C++
Experiments	in-lab and online experiment design, surveys, eye-tracking
Tools	Git, high performance computing, container
Languages	English (fluent), German (B1 in progress), Chinese (native)