

ELEANOR HOLTON – CV

eleanorholton.github.io

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EMPLOYMENT

C.V. Starr Postdoctoral Fellow – Princeton Neuroscience Institute Sept 2025 – Present
Princeton University, USA
Advisor: Yael Niv

Postdoctoral Researcher – Experimental Psychology April 2024 – June 2025
University of Oxford, UK
Advisor: Christopher Summerfield

EDUCATION

Doctor of Philosophy – Neuroscience Oct 2020 – Sept 2024
University of Oxford, UK
Wellcome Trust 1+3 Programme
Thesis: Mechanisms of Goal Commitment and Pursuit (Divisional Letter of Commendation)
PhD Supervisors: Nils Kolling, Jill O'Reilly, Christopher Summerfield

Master of Science – Neuroscience Oct 2019 – Aug 2020
University of Oxford, UK
Project Supervisors: Nils Kolling, Jacqueline Scholl, Matthew Rushworth

Bachelor of Arts – Philosophy & Psychology (First Class) Oct 2016 – June 2019
New College, University of Oxford, UK
Gibbs Prize for highest mark in Psychology & Philosophy Finals

PUBLICATIONS

E Holton, J Grohn, H Ward, S Manohar, J O'Reilly, N Kolling (2024). Goal commitment is supported by vmPFC through selective attention. *Nature Human Behavior* 8, 1351–1365. doi.org/10.1038/s41562-024-01844-5

E Holton, B van Opheusden, J Grohn, H Ward, J Grogan, PL Lockwood, I Ma, WJ Ma, SG Manohar (2025). Disentangling the component processes in complex planning impairments following ventromedial prefrontal lesions. *Journal of Neuroscience* 45(12), e1814242025. doi.org/10.1523/JNEUROSCI.1814-24.2025

E Holton, L Braun, JAF Thompson, J Grohn, C Summerfield (2025). Humans and neural networks show similar patterns of transfer and interference during continual learning. *Nature Human Behavior*.

E Holton, Y Niv, J O'Reilly. The adaptive value of stubborn goals (2025). *Trends in Cognitive Science*

AWARDS & FELLOWSHIPS

2025	Future Values Fellowship, Centre for Human Values, Princeton (1 year)
2025	C.V. Starr Fellowship, Princeton Neuroscience Institute (3 years)
2024	Letter of Commendation for Doctoral Thesis, Medical Sciences Division, University of Oxford
2023	Goodger and Schorstein Research Scholarship in Medical Sciences (3 months)
2019 – 2023	Wellcome Trust 4–Year DPhil Studentship in Neuroscience (4 years)
2019	Gibbs Prize for highest mark in Psychology & Philosophy Finals, Oxford
2018	Wellcome Trust Biomedical Vacation Scholarship (1 month)
2018	Proxime Accessit for the Iversen Prize (best performance in Psychology Exams)
2017	New College, Oxford Academic Scholarship
2017	Proxime Accessit for the Susan Mary Rouse Memorial Prize for Psychology

INVITED TALKS

Nov 2025	NYUConcats Colloquium, NYU
June 2025	RLDM Chess & Cognition Workshop: (invited speaker), Dublin
May 2025	MRC Cognition and Brain Science Unit, Cambridge University
Feb 2025	Verguts Lab Meeting, Ghent University
Feb 2025	Herce Castañón Group Meeting, Universidad Nacional Autónoma de México
Nov 2023	Hartley Lab Meeting, NYU
Nov 2023	Collins Lab Meeting, Berkeley
Nov 2023	Schapiro Lab Meeting, UPenn
Oct 2023	Bedny Lab Meeting, Johns Hopkins
Sept 2023	Ma Lab Meeting, NYU
Sept 2023	Shenhav Lab Meeting, Brown University
June 2023	Workshop on Philosophy of Psychopathology, Cambridge
April 2023	Tubingen Cognitive Science Colloquium, Tubingen
Mar 2023	Niv Lab Meeting, Princeton
Jan 2023	Rushworth Lab Meeting, Oxford
May 2022	Effort & Self-Control Workshop, Institut de Philosophie, Université de Neuchâtel

CONFERENCE POSTERS

June 2025	Reinforcement Learning and Decision Making Conference, Dublin
Oct 2023	Princeton Symposium on Biological & Artificial Intelligence, Princeton
Aug 2023	Conference on Cognitive Computational Neuroscience, Oxford
May 2023	NeuroFrance Conference, Lyon
July 2022	FENs Forum, Paris
Mar 2022	Symposium on the Computational Properties of the Prefrontal Cortex, Oxford

TEACHING

2022-2023	Class Tutor, Oxford University, Statistics in Python (for Psychology and Human Science undergraduates)
2021	Tutor, Oxford University Introduction to computational neuroscience

RESEARCH VISITS AND TRAINING

2023	Princeton Visiting Student Research Collaborator (3 months, Niv Lab)
2022	Neuroscience School of Advanced Studies, Computational Psychiatry, Venice
2018	Summer internship at Attention Group, Oxford University (P.I. Mark Stokes)
2017	Summer internship at Banaji Lab, Harvard University (P.I. Mahzarin Banaji)
2013	High School internship at Early Child Cognition Lab, MIT (P.I. Laura Schulz)

AD HOC REVIEWER

Proceedings of the National Academy of Sciences (PNAS)

OTHER

2024–2025	Oxford branch of University and College Union (UCU); Green Representative
2018–2021	Action Director, Oxford Climate Society; Founder Decarbonize Oxford Campaign
2018–2021	Co-president Oxford Sustainability Guild with Bart Ashton; Recipient of Student Union award for Sustainable Energizer for workshop organization
2017–2018	Women's Officer (Elected), New College Junior Common Room, Oxford