

QIAORONG S. YU

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EDUCATION

2025–2030 **New York University**
Ph.D. in Cognition and Perception (Experimental Psychology)
Advisors: Prof. David J. Heeger, Prof. Jonathan A. Winawer

2021–2025 **Balliol College, University of Oxford**
Integrated B.A. & M.Sc. in Mathematical and Theoretical Physics
Thesis: *Mental Representations of Spacetime*
Advisor: Prof. Vijay Balasubramanian

PUBLICATIONS

Preprints

Yu, Q.S., Wang, Z., Balasubramanian V.: *A hippocampal CA3 network unifies the formation of time cell and place cell* (Manuscript, in preparation)

Soubeyrand, F.S., Perzich, P., **Yu, Q.S.** & Staresina, B.: *Overnight memory transformations in the human brain* (Manuscript, in preparation)

Peer Reviewed Articles

Qiaorong, S. Y., O'Neil, S., Shen, X., Vogelsberger, M., Bose, S., Hadzhyska, B., ... & Wu, Z. (2025). Measuring the flashback feature: Dependence on halo properties and history. *The Open Journal of Astrophysics*, 8. [10.33232/001c.146824](https://doi.org/10.33232/001c.146824)

PRESENTATIONS

Talks

2024 *The measurements of flashback features of dark matter halos using IllustrisTNG and MillenniumTNG simulations*, MIT Kavli Institute for Astrophysics and Space Research

Posters

2026 *A Hippocampal CA3 Network Unifies the Formation of Time Cell and Place Cell*, CoSyNe 2026

2024 *Attempting dream decoding with generalisable visual EEG encoding models*, Cognitive Neuroscience Society (CNS) 2024 Annual Meeting

HONOURS & AWARDS

2025 MacCracken Fellowship, Graduate School of Arts and Sciences, New York University

2024 [Sir William Markby Scholarship](#) (£250), Balliol College, University of Oxford

Dr Prosser's Trust Fund (£1000), Balliol College, University of Oxford

JT Hamilton Legacy Fund (£500), Balliol College, University of Oxford

2023 [Reynolds Scholarship](#) (£250), Balliol College, University of Oxford

Lubbock Fund (£2000), Balliol College, University of Oxford

2022 [Prosser Exhibition](#) (£150), Balliol College, University of Oxford

2020 British Physics Olympiad Round One Top Gold (Global Ranking)

Duke of Edinburgh Award, Silver and Bronze Medals