

# Simone D'Ambrogio

PHD

Experimental Psychology, University of Oxford

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## Education

### University of Oxford

PHD IN EXPERIMENTAL PSYCHOLOGY

Oxford, UK

2021 - present

### University of Pennsylvania

VISITING GRADUATE SCHOLAR, WHARTON NEUROSCIENCE INITIATIVE

Philadelphia, Pennsylvania

2020

### University of Padua

M.SC. IN APPLIED COGNITIVE PSYCHOLOGY (CUM LAUDE)

Padua, Italy

2017-2020

### Leiden University

ERASMUS + PROGRAM

Leiden, Netherlands

2018

### University of Padua

B.SC. IN PSYCHOLOGY (FIRST CLASS HONOURS)

Padua, Italy

2017-2017

## Research

### Decision and Action, University of Oxford

Studying how the brain supports adaptive behavior, combining machine learning, non-invasive brain stimulation, and high-resolution brain imaging in humans and non-human primates.

Oxford, UK

2021 - present

### Platt Lab, Wharton Neuroscience Initiative, UPenn

Analysis and modeling of eye-tracking and pupillometry to study the role of attention in consumer decision-making.

Philadelphia, Pennsylvania

2020

### Junior Researcher Programme

Analysis and modeling of decision-making.

Cambridge, UK

2020

### Judgment and Decision-Making Lab, Padua University

Modeling and analyzing decision-making to enhance individual and societal well-being.

Padua, Italy

2018-2020

### PsicoStat Lab, Padua University

Development of statistical methods for data analysis in behavioural science.

Padua, Italy

2017-2020

## Conferences

### Mathematics Of Neuroscience and AI (📺 Talk)

Hybrid artificial neural network modelling predicts behaviour and neural activity in a solution for Buridan's ass.

Rome, Italy

2024

### Foraging and information seeking conference (📄 Poster)

Discovery of Cognitive Strategies for Information Sampling with Deep Cognitive Modelling and Investigation of their Neural Basis

Lyon, France

2024

### Interdisciplinary Symposium on Decision Neuroscience (Poster)

Visuospatial working memory modulates the influence of visual attention on binary choice

Online

2021

### Society for Neuroeconomics (Poster)

The Effect of Celebrity and Visual Attention on Value-Based Decisions

Online

2020

### Junior Researcher Programme Conference (Poster)

The Attentional Drift Diffusion Model with Temporal Information

Siena, Italy

2019

### PsicoStat Meeting (🗣️ Talk)

Estimation of the attentional drift diffusion model parameters via Random Utility

Padova, Italy

2019

## Publications

1. Kavussanu, M., Rubaltelli, E., Leo, I., Hurst, P., Giovannoni, M., Barkoukis, V., Lucidi, F., **D'Ambrogio, S.**, & Ring, C. (2025). A psychological intervention reduces doping likelihood in italian athletes: A replication and extension.

- Psychology of Sport and Exercise*, 77, 102761. <https://www.sciencedirect.com/science/article/pii/S1469029224001729>
2. Miyamoto, K., **D'Ambrogio, S.**, Harbison, C., Eichert, N., Schüffegen, U., Emberton, A., Salet, J., Mars, R., Khalighinejad, N., & Matthew, R. (2025). Neural recording, disruption, and connectivity analyses suggest an origin for metacognition in evidence accumulation mechanisms in primate ventral prefrontal cortex. *Neuron* (Currently Under Review).
  3. **D'Ambrogio, S.**, Werksman, N., Platt, M. L., & Johnson, E. N. (2023). How celebrity status and gaze direction in ads drive visual attention to shape consumer decisions. *Psychology & Marketing*, 40(4), 723–734. <https://onlinelibrary.wiley.com/doi/full/10.1002/mar.21772>
  4. Priolo, G., Stablum, F., Vacondio, M., **D'Ambrogio, S.**, Caserotti, M., & others. (2023). *The robustness of mental accounting: A global perspective*. <https://tibble.tidyverse.org/>
  5. Ruggeri, K., Panin, A., Vdovic, M., Veckalov, B., Abdul-Salaam, N., Achterberg, J., Akil, C., Amatya, J., Amatya, K., **D'Ambrogio, S.**, Andersen, T. L., & others. (2022). The globalizability of temporal discounting. *Nature Human Behaviour*, 6(10), 1386–1397. <https://www.nature.com/articles/s41562-022-01392-w>

## Technical skills

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### Coding Languages

Julia – R – Python – STAN – Node.js – JavaScript

### Software

FSL – SPM

### Other

Git – Markdown – LaTeX  
– Quarto – Arduino