

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

Summer Schools

Computational Neuroscience, Neuromatch Academy

Project on fMRI decoding analysis supervised by Prof. Samuel J. Gershman

Online

2021

Psychology and Behavioral Sciences, JSchool

Studying how to improve real-world decision making

Siena, Italy

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

Wharton Neuroscience Initiative Annual Meeting (Talk)

The effect of celebrity and visual attention on value-based decisions

Online

2021

Society for Neuroeconomics (Poster)

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

Online

2020

Italian Ministry of Economic Development - Division V (Talk)

Lessons from Decision Neuroscience to Inform Policy Making

Online

2019

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>

Awards & Honours

PhD scholarship in Psychological Sciences

Funded by the University of Padua

€ 45,343.28

Italy

2020

Erasmus+ School of Psychology

Funded by the University of Padua

€ 2,800

Italy

2018

Technical skills

Programming Languages

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

Software & Tools

FSL – SPM – Git – Bash –
Markdown – LaTeX – Quarto –
Arduino

Computational Skills

High-Performance Computing
(HPC) systems – parallelization
with SLURM