

Matan Mazor

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EDUCATION

- 2017 to 2021 **Institute of Neurology, UCL**
PhD. Advisors: Prof. Stephen M. Fleming and Prof. Karl J. Friston
“SELF-MODELLING IN INFERENCE ABOUT ABSENCE”
- 2014 to 2016 **Sagol School of Neuroscience, Tel Aviv University**
MSc, *Summa Cum Laude*. Advisor: Prof. Roy Mukamel
“THE INTERNAL FORWARD MODEL IN THE HUMAN BRAIN: A FUNCTIONAL MRI STUDY”
Cumulative GPA: 98.4/100
Final examination: 100/100
Thesis dissertation: 98/100
- 2011 to 2015 **Adi Lautman Interdisciplinary Program for Outstanding Students, Tel Aviv University**
Cumulative GPA: 92/100

ACADEMIC & PROFESSIONAL EXPERIENCE

- 2023 – **Postdoctoral research fellow (PDRF)**
*All Souls College,
Department of Experimental Psychology, University of Oxford*
- 2022 to present **Postdoctoral researcher**
Action and Perception lab, Birkbeck, University of London
- 2016 to 2017 **Research staff**
Roy Mukamel’s lab, Tel Aviv University
- 2012 to 2014 **Research assistant**
Naama Friedmann’s lab, Tel Aviv University
- 2012 to 2014 **Research intern**
Linguistic infrastructure team, Ginger Software (Intel since 2014)

HONORS & AWARDS

- 2022 **Research Innovation Grant (£4,832)**
The Development and Stability of Metacognitive Knowledge
Birkbeck, University of London

- 2019 **Bogue Fellowship (£6,624)**
A research visit to MIT CBS
University College London
- 2017, 2018, 2019 **Kenneth Lindsay Scholarship (£3,000)**
Anglo Israel Association
- 2018 **Guarantors of Brain Travel Grant (£1,000)**
- 2017 to 2020 **Graduate Research Scholarship (GRS)**
Institute of Neurology, University College London
- 2017 to 2020 **Overseas Research Scholarship (ORS)**
Institute of Neurology, University College London
- 2016 **Travel Grant**
Sagol School of Neuroscience, Tel Aviv University
- 2015 **Best Talk Award**
Sagol School of Neuroscience , Tel Aviv University
- 2013 **Award for Exceptional Academic Achievements**
Adi Lautman Interdisciplinary Program for Outstanding Students, Tel Aviv University
- 2011 to 2015 **Full Excellence Scholarship**
Adi Lautman Interdisciplinary Program for Outstanding Students, Tel Aviv University

TEACHING AND MENTORING EXPERIENCE

- 2023 – **MSc research supervisor**
Department of Experimental Psychology, University of Oxford
- 2022 to present **Seconday PhD supervisor**
School of Psychological Sciences, Tel Aviv University
Co-supervising Noam Sarna's PhD about metacognition in OCD, together with Prof. Reuven Dar.
- 2020 to 2021 **BSc research supervisor**
Fleming lab, University College London
Supervised two final-year psychology students.
- 2018 to 2020 **MSc research supervisor**
Fleming lab, University College London
Supervised Chudi Gong's MSc research project, and Roy Tal's MSc research project, for which has been awarded the 2019 Richard Frackowiak MSc Prize.
- 2017 **Lecturer: “Introduction to Bayesian Statistics” graduate course**
Tel Aviv University
- 2017 **Lecturer: “Methods in MRI/fMRI” graduate course**
Tel Aviv University
- 2016 **Teaching assistant:**
“Introduction to Computational Neuroscience”
Tel Aviv University
- 2016 **Bayesian Statistics workshop instructor**
Tel Aviv University

2014 to 2015

Educational consultant

Ort educational network of schools and colleges

SERVICE

2022

Tutorial host

*The annual meeting of The Association for the Scientific Study of Consciousness
Amsterdam, the Netherlands*

Co-hosted a tutorial about “the ethics of animal consciousness”, together with Timo Stein.

2021

Programme committee member

NeurIPS 2021

“Metacognition in the age of AI” workshop

2020

Journal club organizer and host

Institute of Neuroscience, University College London

Ad hoc reviewer

Cognition, eLife, PNAS, Scientific Reports, Nature Human Behaviour, Cognitive Science, Attention, Perception and Psychophysics, Philosophical Psychology, Developmental Psychology, Philosophy and the Mind Sciences, Cortex, Journal of Experimental Psychology: General, Cambridge University Press.

PUBLICATIONS

Mazor, Firestone & Phillips (*PsyArXiv*, under review)

Pretending not to know reveals a powerful capacity for self-simulation

Yaron, Faivre, Mudrik & **Mazor** (*PsyArXiv*, under review)

Individual differences do not mask effects of unconscious processing

Mazor (*PsyArXiv*)

Inference about absence as a window into the mental self-model

Sarna, **Mazor** & Dar (*Clinical Psychological Science*, in press)

Obsessive Compulsive visual search: a reexamination of presence-absence asymmetries

Dijkstra, **Mazor** & Fleming (*Journal of Vision*, in press)

Confidence ratings do not distinguish imagination from reality

Mazor, Moran & Press (*Proceedings of the Annual Meeting of the Cognitive Science Society*, 2024)

The Role of Counterfactual Visibility in Inference about Absence

Mazor, Charles, Maimon & Fleming (*Attention, Perception, & Psychophysics*, 2023)

Paradoxical evidence weighting in confidence judgments for detection and discrimination

Mazor, Gong & Fleming (*Royal Society Open Science*, 2023)

Re-evaluating frontopolar and temporoparietal contributions to detection and discrimination confidence

Mazor, Siegel & Tenenbaum (*Journal of Experimental Psychology: General*, 2023)

Prospective search time estimates reveal the strengths and limits of internal models of visual search

Mazor, Brown, Ciaunica, Demertzi, Fahrenfort, Faivre, Francken, Lamy, Leggenhager, Moutoussis, Nizzi, Salomon, Soto, Stein & Lubianiker (*Perspectives on Psychological Science*, 2022)

The scientific study of consciousness cannot, and should not, be morally neutral

Mazor*, Dijkstra* & Fleming (*Journal of Neuroscience*, 2022)

Dissociating the neural correlates of subjective visibility from those of decision confidence

Mazor & Fleming (*Journal of Experimental Psychology: General*, 2022)

Efficient search termination without task experience

Mazor, Moran & Fleming (*Neuroscience of Consciousness*, phase 1 Registered Report; 2021

Neuroscience of Consciousness, phase 2 Registered Report; 2021)

Metacognitive asymmetries in visual perception

Dijkstra, **Mazor**, Kok & Fleming (*Cognition*, 2021)

Mistaking imagination for reality: Congruent mental imagery leads to more liberal perceptual detection

Mazor & Fleming (*Nature Human Behaviour*, 2021)

The Dunning-Kruger effect revisited

Mazor & Fleming (*Philosophy and the Mind Sciences*, 2020)

Distinguishing absence of awareness from awareness of absence

Mazor, Friston & Fleming (*eLife*, 2020)

Distinct neural contributions to metacognition for detecting, but not discriminating visual stimuli

Scotti, Kulkarni, **Mazor**, Klapwijk, Yarkoni & Huth (*Journal of Open Source Education*, 2020)

EduCortex: browser-based 3D brain visualization of fMRI meta-analysis maps

Mazor, Mazor & Mukamel (*European Journal of Neuroscience*, 2019)

A novel tool for time-locking study plans to results

RELATED VOLUNTEER WORK

2022 to present

The Under-Represented Student Mentorship (URSM) scheme

Mentoring students in their PhD applications.

2021

240 Project

Drawing and painting with people who are affected by homelessness and exclusion.

2020 to 2021

Maccabi Healthcare Services

Keeping virtual company to an older person who is living by himself in self-isolation.

2012 to 2016

Abarbanel Mental Health Center

Worked in a closed psychiatric ward, primarily with patients coping with schizophrenia.

2014

Drawing instructor at Levinsky Garden Library

Taught basics of drawing from observation to refugees from Eritrea and Sudan.

2013

Keshet - Association for the Elderly in Tel-Aviv-Yaffo

Weekly friendly meetings with a cerebellar stroke patient

2007 to 2008

Melabev day-care for people with Dementia and Alzheimer's disease

SKILLS & INTERESTS

Programming

Python (scipy, pandas, scikit-learn, psychopy), **R** (dplyr, brms, rjags, RStan, Shiny, PapaJa), **JavaScript** (p5, jsPsych, jQuery, D3), **MATLAB** (Psychtoolbox, SPM, RSA), **Git**

OS

Linux, Windows

Languages

Hebrew (native), **English** (full professional proficiency), **Italian** (limited working proficiency), **Arabic** (elementary proficiency)

Interests

cognitive science, statistical inference, philosophy of mind, moral philosophy, open science