

# Matan Mazor

matan.mazor@all-souls.ox.ac.uk

## EDUCATION

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2017 to 2021	<b>Institute of Neurology, UCL</b> PhD. Advisors: Prof. Stephen M. Fleming and Prof. Karl J. Friston “SELF-MODELLING IN INFERENCE ABOUT ABSENCE”
2014 to 2016	<b>Sagol School of Neuroscience, Tel Aviv University</b> MSc, <i>Summa Cum Laude</i> . 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	<b>Adi Lautman Interdisciplinary Program for Outstanding Students, Tel Aviv University</b> Cumulative GPA: 92/100

## ACADEMIC & PROFESSIONAL EXPERIENCE

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

## HONORS & AWARDS

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2022	<b>Research Innovation Grant (£4,832)</b> <b>The Development and Stability of Metacognitive Knowledge</b> Birkbeck, University of London
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2019	<b>Bogue Fellowship (£6,624)</b> A research visit to MIT CBS University College London
2017, 2018, 2019	<b>Kenneth Lindsay Scholarship (£3,000)</b> Anglo Israel Association
2018	<b>Guarantors of Brain Travel Grant (£1,000)</b>
2017 to 2020	<b>Graduate Research Scholarship (GRS)</b> Institute of Neurology, University College London
2017 to 2020	<b>Overseas Research Scholarship (ORS)</b> Institute of Neurology, University College London
2016	<b>Travel Grant</b> Sagol School of Neuroscience, Tel Aviv University
2015	<b>Best Talk Award</b> Sagol School of Neuroscience , Tel Aviv University
2013	<b>Award for Exceptional Academic Achievements</b> Adi Lautman Interdisciplinary Program for Outstanding Students, Tel Aviv University
2011 to 2015	<b>Full Excellence Scholarship</b> Adi Lautman Interdisciplinary Program for Outstanding Students, Tel Aviv University

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## TEACHING AND MENTORING EXPERIENCE

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2023 –	<b>MSc research supervisor</b> <i>Department of Experimental Psychology, University of Oxford</i>
2022 to present	<b>Seconday PhD supervisor</b> <i>School of Psychological Sciences, Tel Aviv University</i> Co-supervising Noam Sarna's PhD about metacognition in OCD, together with Prof. Reuven Dar.
2020 to 2021	<b>BSc research supervisor</b> <i>Fleming lab, University College London</i> Supervised two final-year psychology students.
2018 to 2020	<b>MSc research supervisor</b> <i>Fleming lab, University College London</i> 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	<b>Lecturer: “<i>Introduction to Bayesian Statistics</i>” graduate course</b> <i>Tel Aviv University</i>
2017	<b>Lecturer: “<i>Methods in MRI/fMRI</i>” graduate course</b> <i>Tel Aviv University</i>
2016	<b>Teaching assistant:</b> <b>“<i>Introduction to Computational Neuroscience</i>”</b> <i>Tel Aviv University</i>
2016	<b>Bayesian Statistics workshop instructor</b> <i>Tel Aviv University</i>

2014 to 2015

## Educational consultant

*Ort educational network of schools and colleges*

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## 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.*

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## PUBLICATIONS

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

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

Sarna, **Mazor** & Dar (*PsyArXiv*, in revision)

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

**Mazor** (*PsyArXiv*)

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

Dijkstra, **Mazor** & Fleming (*PsyArXiv*, in revision)

*Confidence ratings do not distinguish imagination from reality*

Yaron, Faivre, Mudrik & **Mazor** (*PsyArXiv*, submitted)

*Individual differences do not mask effects of unconscious processing*

**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

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2022 to present	<b>The Under-Represented Student Mentorship (URSM) scheme</b> Mentoring students in their PhD applications.
2021	<b>240 Project</b> Drawing and painting with people who are affected by homelessness and exclusion.
2020 to 2021	<b>Maccabi Healthcare Services</b> Keeping virtual company to an older person who is living by himself in self-isolation.
2012 to 2016	<b>Abarbanel Mental Health Center</b> Worked in a closed psychiatric ward, primarily with patients coping with schizophrenia.
2014	<b>Drawing instructor at Levinsky Garden Library</b> Taught basics of drawing from observation to refugees from Eritrea and Sudan.
2013	<b>Keshet - Association for the Elderly in Tel-Aviv-Yaffo</b> Weekly friendly meetings with a cerebellar stroke patient
2007 to 2008	<b>Melabev day-care for people with Dementia and Alzheimer's disease</b>

## SKILLS & INTERESTS

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Programming	<b>Python</b> (scipy, pandas, scikit-learn, psychopy), <b>R</b> (dplyr, brms, rjags, RStan, Shiny, PapaJa), <b>JavaScript</b> (p5, jsPsych, jQuery, D3), <b>MATLAB</b> (Psychtoolbox, SPM, RSA), <b>Git</b>
OS	Linux, Windows
Languages	<b>Hebrew</b> (native), <b>English</b> (full professional proficiency), <b>Italian</b> (limited working proficiency), <b>Arabic</b> (elementary proficiency)
Interests	cognitive science, statistical inference, philosophy of mind, moral philosophy, open science