Matan Mazor
Curriculum Vitae

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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"
2019	**Department of Brain and Cognitive Sciences, MIT** A four-month research visit to the labs of Prof. Laura Schulz and Prof. Josh Tenenbaum, studying intuitive models of psychophysics.
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
2009 to 2011	**Bezalel Academy for Art and Design, Jerusalem** Visual Communication, Illustration major

HONORS & AWARDS

2022	**Research Innovation Grant (£4,832)** **The Development and Stability of Metacognitive Knowledge** Birkbeck, University of London
2019	**Bogue Fellowship (£6,624)** **Inference about Absence** 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 2014 | **Full Excellence Scholarship** |
| | Adi Lautman Interdisciplinary Program for Outstanding Students, Tel Aviv University |

Academic & Professional Experience

| 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)* |

Teaching Experience

2020 to 2021	**BSc research supervisor**
	Fleming lab, University College London
	Supervised two final-year psychology students.

2019 to 2020	**MSc research supervisor**
	Fleming lab, University College London
	Supervised Chudi Gong's MSc research project.

2018 to 2019	**MSc research supervisor**
	Fleming lab, University College London
	Supervised 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, Cognitive Science. Attention, Perception and Psychophysics, Philosophical Psychology, Developmental Psychology, Philosophy and the Mind Sciences.

Publications & Presentations

Mazor, Gong & Fleming (bioRxiv, under review)
Re-evaluating frontopolar and temporoparietal contributions to detection and discrimination confidence

Mazor, Siegel & Tenenbaum (GitHub, under review)
Internal models of visual search are rich, person-specific, and mostly accurate

Mazor (*PsyArXiv*, under review)
Inference about absence as a window into the mental self-model

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

Dijsktra, **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

Mazor, Firestone & Phillips (July, 2022; talk)
Using pretense behavior to explore counterfactual self-simulation
The annual meeting of The Cognitive Science Society
Toronto, Canada

Mazor (June, 2022; invited symposium talk)
Simulating counterfactual cognitive states
The annual meeting of The Society for Philosophy and Psychology
Milan, Italy

Mazor, Goetz & Press (June, 2022; poster)
Loss-gain asymmetries in perceptual decisions
The annual meeting of The Association for the Scientific Study of Consciousness
Amsterdam, the Netherlands

Mazor, Goldreich & Press (June, 2022; poster)
Presence-absence asymmetries in predictive perception
The annual meeting of The Association for the Scientific Study of Consciousness
Amsterdam, the Netherlands

Mazor*, Yaron*, Faivre & Mudrik (June, 2022; poster)
Telling between strong and weak null results using non-directional tests
The annual meeting of The Association for the Scientific Study of Consciousness
Amsterdam, the Netherlands

Mazor, Phillips & Firestone (June, 2022; poster)
Pretending not to see: Pretense behavior reveals the limits of self-simulation
The annual meeting of the Visual Sciences Society

Mazor, Eberhardt, Risoli & Fleming (July, 2021; talk)
Dimensions of moral worth
The annual meeting of The Cognitive Science Society

Mazor (June, 2021; talk)
Why do some scientists say they study consciousness
The annual meeting of the Association for the Scientific Study of Consciousness

Mazor (June, 2021; talk)
Zero-shot search termination reveals a dissociation between implicit and explicit metacognitive knowledge
The annual meeting of the Association for the Scientific Study of Consciousness

Mazor, Eberhardt, Risoli & Fleming (June, 2021; talk)
Perceptual consciousness and moral worth are strongly coupled
The annual meeting of the Association for the Scientific Study of Consciousness

Mazor & Fleming (October, 2020; talk)
Metacognitive contributions to search termination
Neuromatch3

Mazor & Fleming (June, 2019; talk)
Inference about absence
The annual meeting of the Association for the Scientific Study of Consciousness
Ontario, Canada

Mazor, Friston, Charles & Fleming (May, 2019; poster)
Inference about absence: the special status of no responses.
The annual meeting of the Visual Sciences Society
Florida, USA

Mazor, Mazor & Mukamel (June, 2018; poster)
In-lab pre-registration: time-locking of study plans and hypotheses without preliminary review
The annual meeting of the Organization for Human Brain Mapping
Singapore

Mazor, Fahrenfort & Fleming (June, 2018; poster)
Failure to incorporate information about perceptual precision impairs metacognitive sensitivity in detection
The annual meeting of the Association for the Scientific Study of Consciousness
Krakow, Poland

Mazor & Mukamel (February, 2017; poster)
TWISTER: a temporal multivariate approach to behavioural and neuroimaging studies
The annual meeting of the Israeli Society for Cognitive Psychology
Acre, Israel

Mazor & Mukamel (June, 2016; poster)
Time-Course Consistency (TCC): an alternative to model-based approaches to fMRI analysis
The annual meeting of the Organization for Human Brain Mapping
Geneve, Switzerland

Mazor & Mukamel (June, 2016; poster)
Time Course Consistency: A model-free approach to fMRI analysis
The international workshop on Pattern Recognition in Neuroimaging
Trento, Italy

RELATED VOLUNTEER WORK

2022	**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 sciences, statistical inference, philosophy of mind, moral philosophy, open science

Selected Reviews From My Online Participants

"This experiment was very enjoyable" (Prolific ID: 5f649be46ebea202219bc735) * "it was a solid experiment" (Prolific ID: 5d62886927a84f00010fbbb4) * "I enjoyed the game very much" (Prolific ID: 5f78433aef37d001ace1f086) * "Very well explained and set up." (Prolific ID: 5ea1c935df1e160ae8532b18) * found it incredibly easy" (Prolific ID: 5e459f61418f610891628564) * "All is good - simple, easy to understand and enjoyable too." (Prolific ID: 5ae1c385b0d05100015d0978) * "interesting experiment, which could be expanded in complexity through use of different shapes and colours." (Prolific ID: 5f3bd56999a44d9324b76ddb) * " "This was actually one of the more enjoyable experiments I've taken part of on Prolific." (Prolific ID: 5fb18ebed0a22f688e3377b8) * "This experiment was very enjoyable" (Prolific ID: 5f649be46ebea202219bc735) * "An interesting and unique approach to a survey. Enjoyed it." (Prolific ID: 5fd0ed3ee993330172b0b97a) * "This was actually one of the more enjoyable experiments I've taken part of on Prolific." (Prolific ID: 5fb18ebed0a22f688e3377b8) * "This was the most fun online research game I've ever played. Kudos!" (Prolific ID: 62a779f845a7840040d41bf8) * "it was testing reaction time I guess" (Prolific ID: 5ee0edcb962eba464f486b40) * "I thought this was fun and got me thinking about things." (Prolific ID: 5f7a28b8bedcf2112ebd1289) * "Jesus loves you!" (Prolific ID: 5a135875074b1900012527a9)