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 Thesis title: "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 Thesis title: "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	

	Sagor School of Neuroscience, 1et 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	
A	cademic & 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	$\begin{array}{llllllllllllllllllllllllllllllllllll$	
2016	Bayesian Statistics Workshop Instructor Tel Aviv University	
2014 to 2015	Educational Consultant Ort educational network of schools and colleges	
SERVICE		

Sagol School of Neuroscience, Tel Aviv University

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

 $\textbf{Mazor}, \, \text{Moran \& Fleming } (\, \underline{\textit{Neuroscience of Consciousness}}, \, \text{phase 1 Registered Report; 2021} \,$

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)

 $\label{thm:course} \textit{Consistency: A model-free approach to fMRI analysis}$

The international workshop on Pattern Recognition in Neuroimaging

Trento, Italy

RELATED VOLUNTEER WORK

	TELERIED VOLONIELIE VVOICE	
2022	The Under-Represented Student Mentorship (URSM) scheme Mentoring students in their applications for neuroscience PhD. programmes.	
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		

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	${\bf Hebrew} \ ({\rm native\ language}), \ {\bf English} \ ({\rm proficient}), \ {\bf Italian} \ ({\rm intependent\ user}), \ {\bf Arabic} \ ({\rm student})$	
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: 5ca1779f845a7840040d41bf8) * "it was testing reaction time I guess" (Prolific ID: 5e0edcb962eba464f486b40) * "I thought this was fun and got me thinking about things." (Prolific ID: 5f7a28b8bedcf2112ebd1289) * "Jesus loves you!" (Prolific ID: 5a135875074b1900012527a9)