

CURRICULUM VITAE**1. Personal Details**

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2. Higher Education**a. Undergraduate and Graduate Studies**

Period of Study	Name of Institution and Department	Degree
2001-2004	Ben-Gurion University of the Negev	BA
2004-2006	Ben-Gurion University of the Negev	MA
2006-2012	Ben-Gurion University of the Negev	Ph.D. (Suma cum laude)

b. Post-Doctoral Studies

Period of Study	Name of Institution and Department/Lab	Name of Host
2011	The Open University, Israel	Dr. Nurit Gronau
2012-2014	Carnegie Mellon University, USA	Prof. Marlene Behrmann

3. Academic Ranks and Tenure in Institutes of Higher Education

Years	Name of Institution and Department	Rank/Position
3/2014-12/2016	Psychology Department, University of Haifa	Senior Lecturer
12/2016-Present	Psychology Department, University of Haifa	Senior Lecturer with Tenure

4. Offices in Academic Administration

Years	Name of Institution and Department	Role
2014-2017	BA Committee, Department of Psychology, University of Haifa	Member
2014-2017	Ethics Committee, Department of Psychology, University of Haifa	Member
2014-2017	Institutional Animal Ethics Committee, University of Haifa	Member
2015-Present	Development Committee, Department of Psychology, University of Haifa	Member
2016-Present	Faculty Recruitment Committee, Department of Psychology, University of Haifa	Member
2017-Present	The faculty of Social Sciences Doctoral student Committee	Head
2017-Present	Doctoral candidate committees, Department of Psychology	Head

5. Scholarly Positions and Activities outside the University

Years	Memberships in Academic Professional Associations
2015	Fellow of the Psychonomic Society
2019	Consulting Editor, Attention Perception and Psychophysics

Years	Reviewing for Refereed Journal
2010-present	<p><i>Acta Psychologica</i> [R= (Psychology, experimental) 47/85, Q3]</p> <p><i>Attention, Perception and Psychophysics</i> [R= (Psychology) 35/76, Q2]</p> <p><i>Behavioral Brain Research</i> [R= (Behavioral Sciences) 16/51, Q2]</p> <p><i>Brain Research</i> [R= (Neuroscience) 143/256, Q3].</p> <p><i>British Journal of Ophthalmology</i> [R= (Ophthalmology) 10/56, Q1]</p> <p><i>Canadian Journal of Experimental Psychology</i> [R= (Psychology, experimental) 61/85, Q3]</p> <p><i>Cerebral Cortex</i> [R= (Neurosciences) 17/256, Q1]</p> <p><i>Cognition</i> [R= (Psychology, experimental) 11/85, Q1].</p> <p><i>Cognition and Emotion</i> [R= (Psychology, experimental) 27/85, Q2].</p> <p><i>Cognitive Processing</i> [R= (Psychology, experimental) 68/85, Q4].</p> <p><i>Cognitive Psychology</i> [R= (Psychology) 11/76, Q1].</p> <p><i>Consciousness and Cognition</i> [R= (Psychology, experimental) 33/85, Q2]</p> <p><i>Cortex</i> [R= (Behavioral Sciences) 4/51, Q1]</p> <p><i>Experimental Brain Research</i> [R= (Neurosciences) 174/256, Q3]</p> <p><i>Frontiers in Human Neuroscience</i> [R= (Psychology) 14/76, Q1]</p> <p><i>Japanese Psychological Research</i> [R= (Psychology, Multidisciplinary) 84/129, Q3]</p> <p><i>Journal of Cognitive Neuroscience</i> [R= (Neurosciences) 81/256, Q2].</p> <p><i>Journal of Experimental Psychology: Human Perception and Performance</i> [R= (Psychology, experimental) 26/85, Q2]</p> <p><i>Journal of the International Neuropsychological Society</i> [R= (Clinical Psychology) 81/193, Q2]</p> <p><i>Naturwissenschaften</i> [R= (Multidisciplinary Sciences) 18/63, Q2]</p> <p><i>Perception</i> [R= (Psychology) 64/76, Q4]</p>

	<i>Psychological Research</i> [R= (Psychology, experimental) 28/85, Q2] <i>PLOS ONE</i> [R= (Multidisciplinary science) 11/63, Q1]. <i>Psychonomic Bulletin and Review</i> [R= (Psychology, experimental) 14/85, Q1]. <i>Visual Cognition</i> [R= (Psychology, experimental) 64/85, Q4] <i>Vision Research</i> ; [R= (Neurosciences) 190/256, Q3].
Years	Reviewing for Fund Agencies
2014	European Research Council (ERC) Starting Grants.
2014	United States – Israel Binational Science Foundation (BSF) Prof. Rahamimoff Travel Grants Program.
2016	Israel Science foundation (ISF) Individual Research Grant

6. Active Participation in Scholarly Conferences

International Conferences - Held Abroad

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
9.2004	European Society for Cognitive Psychology	Leiden, The Netherlands	The effect of expectancy on inhibition of return.	Poster Presenter
5.2007	Cognitive Neuroscience Society	New York, USA	Disruption of remapping of IOR after TMS stimulation of the parietal cortex.	Poster Presenter
3.2009	Cognitive Neuroscience Society	San Francisco, USA	Linking the ocular motor system and reflexive allocation of attention: An fMRI investigation.	Poster Presenter
4.2013	Cognitive Neuroscience Society	San Francisco, USA	Attentional Dynamics Mediated by Subcortical Mechanisms.	Poster Presenter
11.2016	The Psychonomic Society	Boston, USA	From reflexive to volitional processes Presented by #William Saban	Student Poster Presenter
3.2017	International Convention of Psychological Science (ICPS)	Vienna, Austria	Subcortical structures can suffice for endogenous cognitive ability. Presented by #William Saban	Student Poster Presenter
7.2017	Joint Action Meeting (JAM 7)	London, England	Investigating the influence of Social context on the Social Inhibition of Return #Orit Nafcha	Student Poster Presenter

9.2017	20th Conference of the European Society for Cognitive Psychology	Potsdam, Germany	Social Inhibition of Return: How social is it Presented by #Orit Nafcha	Student Poster Presenter
7.2018	The 4th international conference of the European Society for Cognitive and Affective Neuroscience (ESCAN)	Leiden, Holland	Social inhibition of return: Believe it or not Presented by #Orit Nafcha	Student Speaker
7.2018	40th Annual Meeting of the Cognitive Science Society	Wisconsin, USA	Endogenous orienting in the archer fish Presented by #William Saban	Student Speaker
9.2019	21st	Tenerife, Spain	Evolutionary Origin of Attention	Speaker

International Conferences - Held in Israel

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
3.2009	Workshop on the Functions of the Parietal Lobes	Jerusalem	Linking the ocular motor system and reflexive allocation of attention: An fMRI investigation.	Speaker

Local Conferences

Date	Name of Conference	Place of Conference	Subject of Lecture/Discussion	Role
2.2015	Conference on Cognition Research of the Israeli Society for Cognitive Psychology	Akko	Shared neural substrates for conceptual size and numerical magnitudes.	Speaker

Organization of Conferences or Sessions

Year	Name of Conference	Place of Conference	Subject of Conference	Role
2.2017	Conference on Cognition Research of the Israeli Society for Cognitive Psychology	Akko	The evolutionary origin of cognition: Exploring the role of subcortical brain areas in cognition	Symposium organizer
3.2019	International Convention of Psychological Science	Paris, France	The Evolutionary Origin of Cognition: What Can We Learn from Fish about Human Cognition?	Symposium organizer and speaker

7. Colloquium Talks

Year	Name of Forum	Place of Lecture	Presentation
8.2005	Psychology department, Bangor University	Bangor University, Wales, UK	The effect of expectancy on inhibition of return.
4.2014	Psychology department, Ben-Gurion University	Ben-Gurion University of the Negev, Beer-Sheva	Interactivity between high and low level systems plays a key role in visual cognition.
2.2015	CITEC Colloquium "Vision Science"	Bielefeld University, Germany	Interactivity between high and low level systems play a key role in visual cognition.
11.2016	Psychology department, Hebrew University	Hebrew University	From Reflexive to Volitional Processes.

8. Research Grants

Grants Awarded

Role in Research	Other Researchers (Name & Role)	Title	Funded by (C= Competitive Fund)	Amount	Years

Co-PI	Dr. Adam Greenberg, Co-PI	The Neural Basis of Object-Guided Attention and its Evolutionary Origin	C BSF Start-up Program	Total - \$150,000	2014-2016
PI		Attention orienting: An evolutionary development from automatic to volitional processes	C ISF Starting Grant	Total - \$206,000	2014-2018
PI		Starting Equipment grant	C ISF Starting Equipment	Total - \$99,556	2014
Co-PI	Prof. Simone Shamay-Tsoory, Co-PI Dr. Avi Mendelsohn, Co-PI	Neuroscience in real-life: A multi-measure system for exploring naturalistic human cognition.	C ISF basic institutional Equipment	Total – \$560,654	2016
PI		Face processing: An evolutionary perspective, from fish to humans	C ISF Research Grant	Total – \$170,314	2019-2022

9. Scholarships, Awards and Prizes

- 2010 Post Doctoral scholarship at the Open University from the Planning and Budgeting Committee of the Council for Higher Education.
- 2010 Marianne Amir Award for excellence in research.
- 2010 Kreitman Foundation Award for excellence in research.
- *2015 **Alon Fellowship** for young faculty by the Israeli Council for Higher Education.

10. Teaching

Courses Taught in Recent Years

Years	Name of Course	Type of Course	Level	Number of Students
2014-2017	The neural basis of perception	Lecture	M.A	~12
2014-2017	Neuropsychological aspects of attentional systems	Lecture	M.A	~12
2014-2016	Descriptive and inferential statistics	Introduction Course	B.A	~130
2015-2017	Attention and Perception	Seminar	BA, MA and Ph.D.	~10
2015-present	Spatial Attention	Workshop	BA	~15
2016-present	Experimental Psychology	Introduction Course	B.A	~130
2017-present	Ph.D students' forum	Seminar	Ph.D.	~20
2017-present	Research practicum	Seminar	BA, MA and Ph.D.	~15

Summary of my Activities and Future Plans

In real world situations, we can process only a limited amount of information. Consequently, our nervous system has to choose which information to process and which to ignore based on attentional orienting, the type of stimuli surrounding us and the value of these stimuli. The primary focus of my research is on the psychological and neural mechanisms underlying attentional orienting and object (object, word and face) recognition. Of particular interest is the interaction between higher and lower cortical systems and their influence on the way we perceive our surrounding world and scan it for relevant information. Throughout my research, I consider the influence of subcortical regions in many of the cognitive processes traditionally regarded as involving higher-order cerebral cortex. I take as a starting point the hypothesis that most cognitive processes are basic processes that should also be evident in some form in less evolved species. Most animals should have the ability to detect specific types of 'object' categories, to have the ability to perform an optimal foraging and to orient attention to reinforcing locations. In contrast, most neuro-scientific research focuses mainly on

cortical involvement in cognitive processes (perhaps because of the difficulty in imaging subcortical regions). The involvement of subcortical regions seems unjustifiably ignored.

My primary approach, experimental cognitive neuropsychology, involves studying the behavior of adults with focal lesions to the ocular motor visual system, functional magnetic resonance imaging (fMRI) investigations with normal and ocular motor-damaged subjects, transcranial magnetic stimulation (TMS) of normal participants as well as using the archer fish as a model for early evolutionary species. All of this is done while using well-established, robust experimental tasks. I adopt this multi-pronged approach to obtain converging evidence for the functional and neural mechanisms responsible for a range of complex mental operations involved in visual cognition. Throughout my research, I try to bridge between the classic cognitive perspectives and the growing body of knowledge from neuroscience research.

My future plans are to further explore the contribution of subcortical areas in various high-level processes that are considered to be a product of cortical functions. This will be done by developing and improving methods and combining state-of-the-art technologies to explore the functional involvement of these rudimentary neural substrates in cognition. The outcome of these endeavors will provide insights regarding the neuro-evolutionary role of subcortical and cortical mechanisms in cognitive processes, providing a lacking evolutionary perspective in field of cognitive neuroscience.