

## **Curriculum Vitae – Avi Mendelsohn**

Name: Avi Mendelsohn

Email: [avi.mendelsohn@gmail.com](mailto:avi.mendelsohn@gmail.com)  
[amendels1@univ.haifa.ac.il](mailto:amendels1@univ.haifa.ac.il)

Tel #: 972-54-4833246

Office: 972-4-6647934

### ***Current position:***

**Senior Lecturer**, Sagol Department of Neurobiology, Faculty of Natural Sciences, University of Haifa, Haifa, 3498838.

2012-2014: **Postdoctoral Fellow**, Departments of Psychiatry and Neuroscience, Friedman Brain Institute, Icahn School of Medicine at Mount Sinai, New York, New York 10029.

### **Education**

2005-2010: **Ph.D.** - Weizmann Institute of Science, Department of Neurobiology. Thesis topic: Long-term episodic memory retrieval: from brain to behavior. Mentor: Prof. Yadin Dudai.

2002-2005: **M.A.** - Tel Aviv University, Tel Aviv, Israel, Faculty of Social Sciences, Department of Psychology, Psychobiology. Advisors: Prof. Matti Mintz & Prof. Talma Hendler.

M.A. degree, February 2005, Outstanding Excellence, Deans Honors.

1998-2002: **B.A.** - Ben-Gurion University of the Negev, Beer-Sheva, Israel. B.A. program, Faculty of Social Sciences, Department of Behavioral Sciences.

### **Research Experience**

2011: Senior Intern, Neuroimaging Consultant for the Department of Neurobiology, Weizmann Institute of Science.

2005-2010: Weizmann Institute of Science, Department of Neurobiology. Experience in behavioral and functional Magnetic Resonance Imaging (fMRI) research, design, analysis, programming (Matlab), and advanced statistics. Expertise in learning and memory, real-time fMRI, brain-computer interface.

- 2003-2005: Wohl Institute of Advanced Brain Imaging, Sourasky Medical Center, Tel Aviv, Israel. Research Assistant in the field of visual and emotional brain systems.
- 2000-2002: Department of Genetics, Ben-Gurion University, Faculty of Medicine. Research Assistant in the field of learning and memory.

### **Active Grants**

- 2015-2018: ISF Individual Research Grant (600,000 NIS) – The impact of motivational learning on episodic memory formation in humans.
- 2015-2018: ISF New Faculty Equipment Grant (356,000 NIS) – Equipment for neuroimaging of learning and memory in humans.
- 2017: ISF Institutional Equipment Grant\* (2,200,000 NIS) - Neuroscience in real-life: A multi-measure system for exploring naturalistic human cognition. \*In collaboration with Prof. Shamay-Tsoor and Dr. Gabay.
- 2018-2010: The National Institute for Psychobiology in Israel\* (~\$50,000) - Exploring the role of feedback timing on acquisition and consolidation of procedural learning in ADHD. \* In collaboration with Dr. Yafit Gabay.
- 2019-2022: ISF Individual Research Grant (720,000 NIS). The effects of active participation on long-term episodic memory.

### **Teaching**

- **University of Haifa**, The neural basis of cognitive neuroscience.
- **Rothschild-Weizmann Program for Science Teaching**, Introduction to Cognitive Neuroscience.
- **Weizmann Institute of Science, Department of Neurobiology**, Graduate course lectures and workshops on Functional MRI Methods and Applications.
- **Davidson Institute of Science Education**, Lecture series at the Frontiers of Science – The Remembering Brain.
- **Davidson Institute of Science Education**, Young Researchers, Lectures on Introduction to the Brain, and Memory in the Brain.
- **Netanya Academic College**, Teacher assistant - Physiological Psychology.

### **Awards and Honors**

- The Salim and Rachel Benin Foundation Scholarship.
- Deans honors, Tel Aviv University, Faculty of Social Sciences.

- Outstanding Excellence honors, Tel Aviv University.
- Zlotowsky Scholarship for neuroscience research, Ben-Gurion University.

### **Published articles**

1. Golan, H., Levav, T., **Mendelsohn, A.**, & Huleihel, M. (2004). Involvement of tumor necrosis factor alpha in hippocampal development and function. *Cerebral Cortex* 14, 97-105.  
I.F. 8.285; Average I.F. 7.8. R17/256, Cited – 109, Q1, V.
2. **Mendelsohn, A.**, Strous, R., Bleich, M., Assaf, Y., & Hendler, T. (2006). Regional Axonal Abnormalities in First Episode Schizophrenia: Evidence Based on High b-value Diffusion Weighted Imaging. *Psychiatry Research: Neuroimaging* 146, 223-9.  
I.F. 2.47, Average I.F. 3.24, R8/14 (Neuroimaging), Cited - 21, Q3, V.
3. Siman-Tov, T., **Mendelsohn, A.**, Schonberg, T., Avidan, G., Podlipsky, I., Pessoa, L., Gadoth, N., Ungerleider, L.G., & Hendler, T. (2007). Bihemispheric leftward bias in a visuospatial attention-related network. *The Journal of Neuroscience* 27, 11271-11278.  
I.F. 5.92, Average I.F. 6.78, R26/256, Q1, Cited – 84, V.
4. **Mendelsohn, A.\***, Chalamish, Y.\*, Solomonovich, A., & Dudai, Y. (2008). Mesmerizing memories: Brain substrates of episodic memory suppression in posthypnotic amnesia. *Neuron* 57, 159-170. \*Equal contribution.  
I.F. 13.97, Average I.F. 16.092, R6/256, Cited – 58, Q1, V.  
*\*Equal contribution*
5. Siman-Tov, T., Pago, D., Gadoth, N., Schonberg, T., **Mendelsohn, A.**, Perry, D., & Hendler, T. (2009). Mind your left: Spatial bias in subcortical fear processing. *Journal of Cognitive Neuroscience* 21, 1782-1789.  
I.F. 3.5, Average I.F. 4.1, R9/81 (Experimental Psychology), Q1, Cited – 17, V.
6. **Mendelsohn, A.**, Furman, O., Navon, I., & Dudai Y. (2009). Subjective vs. documented reality: A case study of long-term real-life autobiographical memory. *Learning & Memory* 16, 142-146.  
I.F. 2.9, Average I.F. 3.685, R117/256, Q2, Cited – 13, V.
7. Zaretzky, M., **Mendelsohn, A.**, Mintz, M., & Hendler, T. (2010). In the eye of the beholder: Internally-driven uncertainty of danger circuits recruits the amygdala and dorso-medial prefrontal cortex. *Journal of Cognitive Neuroscience* 22, 2263-2275.  
I.F. 3.559, Average I.F. 4.593, R81/256 (Neurosciences), Q2, R9/85, (Experimental Psychology), Q1, Cited – 21, V.
8. **Mendelsohn, A.**, Furman, O., & Dudai Y. (2010). Signatures of memory: Brain coactivations during retrieval distinguish correct from incorrect memory. *Frontiers in Behavioral Neuroscience* 4, 1-12.

- I.F. 3.39, Average I.F. 3.498, R6/51 (Behavioral Sciences), Q1, R89/256 (Neurosciences), Q2, Cited - 16, V.
9. Furman, O., **Mendelsohn, A.**, & Dudai, Y. (2012). The episodic engram transformed: Time reduces retrieval-related brain activity but correlates it better with accuracy. *Learning & Memory* 19, 575-587.  
I.F. 2.9, Average I.F. 3.685, R117/256, Q2, Cited – 24, V.
  10. Pine, A., **Mendelsohn, A.**, & Dudai Y. (2014). Unconscious learning of likes and dislikes is persistent, resilient, and reconsolidates. *Frontiers in Psychology* doi: 10.3389/fpsyg.2014.01051.  
I.F. 2.74, Average I.F. 2.88, R29/129, Q1, Cited - 3, V.
  11. Collins, K.A., **Mendelsohn, A.**, Cain, C.K., & Schiller, D. (2014). Taking action in the face of threat: neural synchronization predicts adaptive coping. *The Journal of Neuroscience* 34, 14733-14738.  
I.F. 5.92, Average I.F. 6.78, R26/256, Q1, Cited – 19, V.
  12. **Mendelsohn, A.**, Pine, A., & Schiller, D. (2014). Between thoughts and actions: Motivationally salient cues invigorate motor imagery in the human brain. *Neuron* 81, 207-217.  
I.F. 13.97, Average I.F. 16.092, R6/256, Q1, Cited – 13, V.
  13. Cohen, O., Druon, S., Lengagne, S., **Mendelsohn, A.**, Malach, R., Abderrahmane, K., & Friedman, D. fMRI-based robotic embodiment: Controlling a humanoid robot by thought using real-time fMRI. *PRESENCE: Teleoperators and Virtual Environments* 23, 229-241.  
I.F. 0.789, Average I.F. 1.315, R17/22 (Computer Science, Cybernetics), Q4, Cited – 11.
  14. \*Yacoby, A., Dudai, Y., & **Mendelsohn, A.** (2015). Metamemory ratings predict long-term changes in reactivated episodic memories. *Frontiers in Behavioral Neuroscience* 9, 20. Doi: 10.3389/fnbeh.2015.00020.  
I.F. 3.39, Average I.F. 3.498, R6/51 (Behavioral Sciences), Q1, R89/256 (Neurosciences), Q2, 1 citation, V.
  15. \*Tavares, R.M., **Mendelsohn, A.**, Grossman, Y., Willimas, C.H., Shapiro, M., Trope, Y., & Schiller, D. (2015). A map for social navigation in the human brain. *Neuron* 87, 231-243.  
I.F. 13.97, Average I.F. 16.092, R6/256, Cited – 67, Q1, V.
  16. \*Zhang, Z., **Mendelsohn, A.**, Manson, K.F., Schiller, D., & Levy I. (2015). Dissociating Value Representation and Inhibition of Inappropriate Affective Response during Reversal Learning in the Ventromedial Prefrontal Cortex. *eNeuro* 4;2(6). doi: 10.1523/ENEURO.0072-15.2015.
  17. \*Pine, A., Sadeh, N., Ben-Yakov, A., **Dudai, Y\***, & **Mendelsohn, A.\*** (2018). Knowledge acquisition is governed by striatal prediction errors. *Nature Communications* 9:1673. doi: 10.1038/s41467-018-03992-5.  
I.F. 12.35, Average I.F. 13.69, R3/64 (Multidisciplinary), cited – 5, Q1, V.  
*\*Equal senior authors*
  18. \*Gilboa, A., Sheynbaum, R.S. & **Mendelsohn, A.** (2018). Autobiographical memory: from experiences to brain representation. *Neuropsychologia* 110:1-6. (*Special Issue Editorial*).

I.F. 2.88, Average I.F. 3.32, R19/51, Q2, 1 citation, V.

19. \*Rotem-Turchinski, N., Ramaty, A. & **Mendelsohn, A.** (2018). The opportunity to choose enhances long-term episodic memory. *Memory* 26:1-10.  
I.F. 1.87, Average I.F. 2.02, R43/85, Q3, 1 citation, V.
20. \*Shneyer, A. & **Mendelsohn, A.** (2018). Previously rewarding environments enhance incidental memory formation. *Learning & Memory* 25:569-573 (*Journal Cover*).  
I.F. 2.67, Average I.F. 3.54, R153/261, Q3, 0 citations, V.
21. \*Gabay, Y., Shahbari-Khateb, E. & **Mendelsohn, A.** (2018). Feedback timing modulates probabilistic learning in adults with ADHD. *Scientific Reports* 8:15524. doi: 10.1038/s41598-018-33551-3.  
I.F. 4.12, Average I.F. 4.6, R12/64, Q1, 0 citations, V.
22. \*Shamay-Tsoory, S.G. & **Mendelsohn, A.** (2019). Real-life neuroscience: an ecological approach to brain and behavior research. *Perspectives in Psychological Science* 14:841-859.  
I.F. 8.19, Average I.F. 10.57, R5/137 (Psychology, Multidisciplinary), Q1, 0 citations, V.