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A senior lecturer, affiliated at the University of Haifa, Edmond J. Safra Brain Research Center, and Faculty of Education (Departments of Counseling and Human Development, as well as Learning, Instruction and Teacher Education). My training is mainly in the field of Neurobiology.

Research interests include physiological and neural effects of contemplative mental training, as well as the possible applications to the field of Education. To these ends, I utilize a broad spectrum of tools, including EEG, MEG, fMRI, and various behavioral and cognitive tasks.

## PEER-REVIEWED PUBLICATIONS

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1. Glicksohn, J., **Berkovich-Ohana, A.**, Balaban-Dotan, T., Goldstein, A., & Donchin, O. (2009). Time production and EEG alpha revisited. *NeuroQuantology*, 7: 138-151.
2. Glicksohn, J. & **Berkovich-Ohana, A.** (2011). From trance to transcendence: A neurocognitive approach. *The Journal of Mind and Behavior*, 32, 49-62.
3. **Berkovich-Ohana, A.**, Glicksohn, J., & Goldstein, A. (2012). Mindfulness-induced changes in gamma band activity – implications for the default mode network, self-reference and attention. *Clinical Neurophysiology*, 123: 700-710.
4. Balaban Dotan Ben Soussan, T. Glicksohn, J. Goldstein, A. **Berkovich-Ohana A.** & O. Donchin (2013). Moving into the square and out of the box: Effects of Quadrato Motor Training on creativity and EEG coherence. *Plos ONE*, 8: e55023.
5. **Berkovich-Ohana, A.**, Glicksohn, J., & Goldstein, A. (2013). Studying the default mode and its Mindfulness-induced changes using EEG functional connectivity. *Social, Cognitive and Affective Neuroscience*, 1–9.
6. Gilaie-Dotan, S., Hahamy-Dubossarsky, A., Nir, Y., **Berkovich-Ohana, A.**, Bentin, S., & Malach, R. (2013). Resting state functional connectivity reflects abnormal task-activated patterns in a developmental object agnostic. *NeuroImage*, 70: 189-198.
7. Dor-Ziderman, Y., **Berkovich-Ohana, A.**, Glicksohn, J., & Goldstein, A. (2013). Studying mindfulness-induced selflessness: a MEG neurophenomenological study. *Frontiers in Human Neuroscience*, 7, 582.
8. **Berkovich-Ohana, A.**, Dor-Ziderman, Y., Glicksohn, J., & Goldstein, A. (2013). Alterations in the sense of time, space and body in the Mindfulness-trained brain: A neurophenomenologically-guided MEG study. *Frontiers in Psychology*, 4, 912. Doi: 10.3389/fpsyg.2013.00912.
9. Balaban Dotan Ben Soussan, T., **Berkovich-Ohana A.**, Glicksohn, J. & Goldstein, A. (2014). A suspended act: increased reflectivity and gender-dependent electrophysiological change following Quadrato Motor Training. *Frontiers in Psychology* 5, 55. Doi: 10.3389/fpsyg.2014.00055
10. **Berkovich-Ohana, A.** & Glicksohn, J. (2014). The consciousness state space (CSS) – a unifying model for consciousness and self. *Frontiers in Psychology*. Doi: 10.3389/fpsyg.2014.00341. 1-19.

11. Yellin, D., **Berkovich-Ohana, A.** & Malach, A. (2015). Coupling between pupil fluctuations and resting-state fMRI uncovers a slow build-up of antagonistic responses in the human cortex. *NeuroImage*, 106: 414–427.
12. **Berkovich-Ohana, A.**, Wilf, M., Arieli, A., Kahana, R. & Malach, R. (2015). The Mantra effect: A non-antagonistic negative BOLD responses during repetitive speech. *Brain and Behavior*. Doi: 10.1002/brb3.346.
13. Dotan Ben-Soussan T., Glicksohn, J. & **Berkovich-Ohana, A.** (2015). From cerebellar activation and connectivity to cognition: a review of the Quadrato Motor Training. *BioMed Research International*. Article ID 954901, 1-11.
14. **Berkovich-Ohana, A.** (2015). A neurophenomenological case study of a Mindfulness-induced altered state: increased overall gamma functional connectivity. *Phenomenology and the Cognitive Sciences*. 1–16.
15. Dotan Ben-Soussan T., **Berkovich-Ohana, A.** & Glicksohn, J. (2015). Embodied creativity and neuroplasticity following Quadrato Motor Training. *Frontiers in Psychology*. 6, 1021.
16. Ataria, Y., Dor-Ziderman, Y. & **Berkovich-Ohana, A.** (2015). Lacking the sense of boundaries: How does it feel? *Consciousness and Cognition*. 37, 133–147.
17. **Berkovich-Ohana, A.** & Glicksohn, J. (2016). Meditation, absorption, transcendent experience and affect - tying it all together via the Consciousness State Space (CSS) model. *Mindfulness*. DOI: 10.1007/s12671-015-0481-9. pp: 1-10.
18. Dotan Ben-Soussan T., Glicksohn, J., & **Berkovich-Ohana, A.** (2016). Attentional Effort, Mindfulness, and Altered States of Consciousness Experiences Following Quadrato Motor Training. *Mindfulness*. Doi: 10.1007/s12671-015-0469-5. pp: 1-9.
19. **Berkovich-Ohana, A.**, Harel, M., Hahami-Dubossarsky A., Arieli, A., & Malach, R. Alterations in task-induced activity and resting-state fluctuations in visual and DMN areas revealed in long-term meditators. *NeuroImage*, 135: 125–134.
20. **Berkovich-Ohana, A.**, Harel, M., Hahami-Dubossarsky A., Arieli, A., & Malach, R. (2016). Data for default network reduced functional connectivity in meditators, negatively correlated with meditation expertise. *Data in Brief*, 8: 910–914.
21. Dor-Ziderman, Ataria, Y., Y., Goldstein, A. & **Berkovich-Ohana, A.** (2016). The sense of self-world boundaries is mediated by beta oscillations in lateral and

- medial posterior-parietal cortices: A MEG neurophenomenological study. *Neuroscience of Consciousness*, 1: 1-13.
22. **Berkovich-Ohana, A.**, Glicksohn, J. Dotan Ben-Soussan T. & Goldstein, A. (2016). Creativity is enhanced by long-term mindfulness training and is negatively correlated with trait default-mode-related low-gamma inter-hemispheric connectivity. *Mindfulness*. Doi:10.1007/s12671-016-0649-y. pp: 1-11.
  23. **Berkovich-Ohana, A.** & Wittmann, M. (2017). A typology of altered states according to the consciousness state space (CSS) model: A special reference to subjective time. *Journal of Consciousness Studies*, in press.
  24. **Berkovich-Ohana, A.** (2017). Radical Neurophenomenology: We Cannot Solve the Problems Using the Same Kind of Thinking We Used When We Created Them. *Constructivist Foundations*, 118-121.
  25. Ergas, O. & **Berkovich-Ohana, A.** (2017). The Self-Generative Mind in Education: Review and Future Directions. *Mind, Brain and Education*, in press.
  26. J. Glicksohn, **A. Berkovich-Ohana**, F. Mauro, & T. Dotan Ben-Soussan (2017). Time Perception and the Experience of Time when Immersed in an Altered Sensory Environment. *Frontiers in Human Neuroscience*, in press.
  27. **Berkovich-Ohana, A.** (2017). What Is the Exact Directional Causality Between Affect, Action and Time-Consciousness? *Constructivist Foundations*, in press.