

EUROPEAN CURRICULUM VITAE FORMAT



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PERSONAL INFORMATION

Name **AVIVA BERKOVICH-OHANA**

WORK EXPERIENCE

- | | |
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| • Dates | PRESENT |
| • Name and address of the employer | University of Haifa |
| • Type of business or sector | Education |
| • Occupation or position held | Tenure-track position |
| • Dates | PRESENT |
| • Name and address of the employer | The Integrated Brain and Behavior Research Center |
| • Type of business or sector | Research |
| • Occupation or position held | Researcher |
| • Dates | PRESENT |
| • Name and address of the employer | Faculty of Education, The Edmond J. Safra Brain Research Center; |
| • Type of business or sector | Education |
| • Occupation or position held | Professor |

EDUCATION AND TRAINING

- | | |
|--|--------------------------------------|
| • Dates | 2014 - 2015 |
| • Name and type of organisation providing education and training | Sapienza University, Rome, Italy |
| • Principal subjects/occupational skills covered | Physiology & Pharmacology Department |
| • Title of qualification awarded | Postdoctoral |
| • Dates | 2011 - 2015 |
| • Name and type of organisation providing education and training | Weizmann Institute of Science |
| • Principal subjects/occupational skills covered | Neuroscience Department |
| • Title of qualification awarded | Postdoctoral |
| • Dates | 2004 - 2010 |
| • Name and type of organisation providing education and training | Bar-Ilan University |

• Principal subjects/occupational skills covered	Neuroscience
• Title of qualification awarded	PhD
• Dates	1993 - 1996
• Name and type of organisation providing education and training	Hebrew University of Jerusalem
• Principal subjects/occupational skills covered	Biology
• Title of qualification awarded	Master Degree, cum laude
• Dates	1990 - 1992
• Name and type of organisation providing education and training	Hebrew University of Jerusalem
• Principal subjects/occupational skills covered	Biology
• Title of qualification awarded	Bachelor Degree, Magna Cum Laude

PEER REVIEWED PUBLICATIONS

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. *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). 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*, 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*. 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*. pp: 1-9.
19. Berkovich-Ohana, A., Harel, M., Hahami-Dubossarsky A., Arieli, A., & Malach, R. (2016) 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 longterm 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*, 37-61.
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*, pp. 213-226.
26. Glicksohn, J., Berkovich-Ohana A., Mauro, F. & Dotan Ben-Soussan, T. (2017). Time Perception and the Experience of Time when Immersed in an Altered Sensory Environment. *Frontiers in Human Neuroscience*, 11: 487.
27. Berkovich-Ohana, A. (2017). What Is the Exact Directional Causality Between Affect, Action and TimeConsciousness? *Constructivist Foundations*, pp. 105-107.
28. Millière, R., Carhart-Harris, R., Roseman, L. Trautwein, M. & Berkovich-Ohana, A. (2018) Altered states of selfconsciousness: comparing the phenomenology and neurophysiology of meditation and drug-induced experiences. *Frontiers in Psychology*, 9: 1475. doi: 10.3389/fpsyg.2018.01475
29. Glicksohn, J. & Berkovich-Ohana, A. (2018) When meditators avoid counting during time production things get interesting. *PsyCh Journal*, 8: 17-27.
30. Dotan Ben-Soussan, T., Mauro F., Lasaponara S., Glicksohn J., Marson F. and

Berkovich-Ohana A. (2019) Fully immersed: state absorption and electrophysiological effects of the OVO Whole-Body Perceptual Deprivation chamber. *Progress in Brain Research*, 244.

31. Berkovich-Ohana, A., Lavy, S. & Jennings, P. What could teachers learn from the neuroscience of meditation and selfexperience? *Progress in Brain Research*, 244.

32. Wittmann, M. Giersch, A. & Berkovich-Ohana, A. (2019). Altered states of consciousness: With special reference to time and the self. *PsyCh Journal* 8: 5–7.

33. Glicksohn, J., Dotan Ben-Soussan T., Berkovich-Ohana, A., & Mauro, F. (2019). Individual EEG alpha profiles indicate individual alpha experiences in whole-body perceptual deprivation. *Neuropsychologia*, 125: 81-92.

34. Berkovich-Ohana, A., Noy, N., Harel, M., Furman-Haran, E., Arieli, A. & Malach, R. (2020) Inter-subject consistency of language activations during abstract thoughts. *NeuroImage*, 211: 116626.

35. Berkovich-Ohana, A. Lavy, S. & Shanbour, K. (2020). A pilot study on mindfulness-based intervention in Arabic teachers. *Frontiers in Psychology - Educational psychology*.

36. Lavy, S. & Berkovich-Ohana, A. (2020) From Teachers' Mindfulness to Students' Thriving: The Mindful Self in School Relationships (MSSR) Model. *Mindfulness*. *Mindfulness*, 1-16; DOI 10.1007/s12671-020-01418-2

37. Berkovich-Ohana, A., Dor-Ziderman, Y. Ataria, Y. Trautwein, F-M., Schweitzer, Y. & Nave, O. (2020). The hitchhiker's guide to neurophenomenology - Examples from studying self-boundaries with meditators. *Frontiers in Psychology – Consciousness Studies*, 1-19, <https://doi.org/10.3389/fpsyg.2020.01680>

38. Berkovich-Ohana, A., Lavy, S. & Shanbour, K. (2020). A pilot study on mindfulness-based intervention in Arabic teachers. *Frontiers in Psychology – Educational psychology* 1-9; <https://doi.org/10.3389/fpsyg.2020.54298639>. Berkovich-Ohana, A. Furman, E., Malach, R. Arieli, A., & Gilae-Dotan, S. (2020). Studying the precuneus reveals structure-function correlation amenable to meditative training. *Social, Cognitive and Affective Neuroscience*. 1203–1216, doi-org.ezproxy.haifa.ac.il/10.1093/scan/nsaa137

40. David, A., Rubinstein, O. & Berkovich-Ohana, A. Math Anxiety, Self-Centeredness, and Dispositional Mindfulness. *Journal of Educational Psychology*, in press.

CHAPTERS IN SCIENTIFIC BOOKS (REFEREED)

1. Glicksohn, J. & Berkovich-Ohana, A. (2011). Absorption, immersion, and consciousness. In: J. Gackenbach, Ed: *Video Game Play and Consciousness*. Nova Science Publishers, USA. pp 89-106.

2. Berkovich-Ohana, A. (2017). Meditation, neuroscience and self-consciousness. In: Elqayam, A. & Maimon, O., Eds: *What is consciousness*. Idra Publisher, Tel Aviv. pp 345-361. (Hebrew)

3. Ergas, O., Elbelda, N., Berkovich-Ohana, A. & Levit Binun, N. (in press) Neuropedagogy of mindfulness and socialemotional learning for teachers. In: *mindfulness in teacher's learning and instruction*. Eds: Ergas, O. & Avisar, A. Tel Aviv: Mofet. (Hebrew)