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Date of Birth: March 4, 1953

Marital Status: Married + three children

I. EDUCATIONAL BACKGROUND

Year	Degree Program	Institute	Dissertation
1996 (summer)	Fellowship Award	Summer Institute in Cognitive Neuroscience, McDonnell Foundation, Dartmouth College and Dartmouth Medical School	
1981 - 1985	PhD in Clinical Neuropsychology	Graduate School of the City University of New York, USA.	<i>Encoding of frequency of occurrence, temporal order, and spatial location information by closed-head- injured and elderly subjects: Is it automatic?</i>
1974 - 1976	BA in Psychology	Bar-Ilan University, Ramat-Gan, Israel	

WORK EXPERIENCE

Year	Role	Affiliation
2021 - Present	Professor Emeritus	Psychology Department and Head of the laboratory for Memory and Amnesia Research at the Leslie and Susan Gonda (Goldschmied) Multidisciplinary Brain Research Center, Bar-Ilan University, Ramat-Gan, Israel
1987- 2021	Full Professor (2004-2021)	
2017 (summer)	Visiting Scholar	Kessler Foundation, Kessler Foundation 1199 Pleasant Valley Way West Orange, NJ 07052, USA.
2005 - 2021	Director	Rehabilitation center for veterans after traumatic brain-injury (TBI), Tel Aviv.
1995-1996	Visiting Scholar	Amnesia Research Laboratory (Professor Neal Cohen), Beckman Institute, University of Illinois at Urbana-Champaign, 405 North Mathews, Urbana, IL. 61801, USA
1985 – 1991	Assistant Director	The National Institute for the Rehabilitation of the Head-Injured Person, 89 Itzhak Sadeh Street, Tel-Aviv, Israel
1983 – 1985	Team Leader	New York University Medical Center, The Institute of Rehabilitation Medicine, Head Trauma Program, 400 East 34th Street, New York, NY 10016, USA
1980 – 1981	Staff Psychologist	Beit-Loewenstein Hospital Rehabilitation Center, Ra'anana, Israel

III. SCIENTIFIC PUBLICATIONS

1. Carasso, R.L., Fishman, Y., Vakil, E., Kisch, E.S., & Pelled, O. (1981). Endocrinological effects of acupuncture - A preliminary report. *Acupuncture Research Quarterly*, *V*, 123-128.
2. Tweedy, J.R., & Vakil, E. (1988). Evaluating evidence for automaticity in frequency of occurrence judgments: A bias for bias? *Journal of Clinical and Experimental Neuropsychology*, *10*, 664-674.
3. Vakil, E., Blachstein, H., Sheleff, P., & Grossman, S. (1989). BVRT - Scoring system and time delay in the differentiation of lateralized hemispheric damage. *International Journal of Clinical Neuropsychology*, *11*, 125-128.
4. Vakil, E., Hoofien, D., & Groswasser, Z. (Eds.) (1990). *Rehabilitation of the brain injured: A neuropsychological perspective*. London: Freund Publishing House.
5. Hoofien, D., Vakil, E., Cohen, G., & Sheleff, P. (1990). Neuropsychological rehabilitational treatment of the head-injured. In A. Ohry & A. Shaked (Eds.),

- Introduction to rehabilitation medicine* (pp. 186-193). Tel-Aviv, Israel: Ministry of Defense Publication. (Hebrew)
6. Vakil, E., & Sheleff, P. (1990). Remediation of everyday memory problems following a head injury: A holistic approach. In E. Vakil, D. Hoofien, & Z. Groswasser (Eds.), *Rehabilitation of the brain injured: A neuropsychological perspective* (pp. 125-131). London: Freund Publishing House.
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 8. Vakil, E., Blachstein, H., & Hoofien, D. (1991). Automatic temporal order judgment: The effect of intentionality of retrieval on closed-head-injured patients. *Journal of Clinical and Experimental Neuropsychology*, *13*, 291-298.
 9. Vakil, E., Galek, S., Soroker, N., Ring, H., & Gross, Y. (1991). Differential effect of right and left hemispheric lesions on two memory tasks: Free recall and frequency judgement. *Neuropsychologia*, *29*, 981-992.
 10. Hoofien, D., Becker, M., & Vakil, E. (1991). Rehabilitation communities of the brain-injured patient--The National Institute for Rehabilitation of the Brain Injured. In S. Katz & V. Florian (Eds.), *Returning the individual with traumatic brain injury to the community: An overview of programs and services in Israel*. (Monograph # 50). New York: World Rehabilitation Fund Publication.
 11. Vakil, E., Hoofien, D., & Blachstein, H. (1992). Total amount learned versus learning rate of verbal and nonverbal information, in differentiating left- from right-brain injured patients. *Archives of Clinical Neuropsychology*, *7*, 111-120.
 12. Vakil, E., Arbell, N., Gozlan, M., Hoofien, D., & Blachstein, H. (1992). Relative importance of informational units and their role in long-term recall by closed-head-injured patients and control groups. *Journal of Consulting and Clinical Psychology*, *60*, 802-803.
 13. Rattok, J., Ben-Yishay, Y., Ezrachi, O., Lakin, P., Piasefsky, E., Ross, B., Silver, S., Vakil, E., Zide, E., & Diller, L. (1992). Outcome of different treatment mixes in a

- multidimensional neuropsychological rehabilitation program. *Neuropsychology*, 6, 395-415.
14. Vakil, E., Soroker, N., & Biran, N. (1992). Differential effect of right and left hemispheric lesions on two memory tasks: Free recall of items and recall of spatial location. *Neuropsychologia*, 30, 1041-1051.
 15. Becker, M. E., & Vakil, E. (1993). Behavioural psychotherapy of the frontal-lobe-injured patient in an outpatient setting. *Brain Injury*, 7, 515-523.
 16. Vakil, E., & Blachstein, H. (1993). Rey Auditory-Verbal Learning Test: Structure analysis. *Journal of Clinical Psychology*, 49, 883-890.
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 18. Vakil, E., & Blachstein, H. (1994). A supplementary measure in the Rey AVLT for assessing incidental learning of temporal order. *Journal of Clinical Psychology*, 50, 240-245.
 19. Vakil, E., Biederman, Y., Liran, G., Groswasser, Z., & Aberbuch, S. (1994). Head-injured patients and control group: Implicit versus explicit measures of frequency of occurrence. *Journal of Clinical and Experimental Neuropsychology*, 16, 539-546.
 20. Ratzon, N., & Vakil, E. (1994). The effect on memory of long-term exposure to organic solvents: A critical review. *The Israel Journal of Occupational Therapy*, 3, 43-61.
 21. Vakil, E., & Tweedy, J.R. (1994). Memory for temporal order and spatial position information: Tests of the automatic-effortful distinction. *Neuropsychiatry, Neuropsychology, and Behavioral Neurology*, 7, 281-288.
 22. Vakil, E. (1994). Clinical neuropsychology and brain injury rehabilitation in Israel: A twenty-year perspective. *Neuropsychology Review*, 4, 271-278.
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27. Vakil, E., Langleben-Cohen, D., Frenkel, Y., Groswasser, Z., & Aberbuch, S. (1996). Saving during relearning as an implicit measure of memory in closed-head-injured patients. *Neuropsychiatry, Neuropsychology, and Behavioral Neurology, 9*, 171-175.
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44. Kramer, A. F., Hahn, S., Cohen, N. J., Banich, M. T., McAuley, E., Harrison, C. R., Chason, J., Vakil, E., Bardell, L., Boileau, R. A., & Colcombe, A. (1999). Aging, fitness and neurocognitive function. *Nature, 400*, 418-419.
45. Vakil, E., Kahan, S., Huberman, M., & Osimani, A. (2000). Motor and non-motor sequence learning in patients with basal ganglia lesions: The case of serial reaction time (SRT). *Neuropsychologia, 38*, 1-10.

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64. Vakil, E. (2005). The Effect of Moderate to Severe Traumatic Brain Injury (TBI) on Different Aspects of Memory: A Selective Review. *Journal of Clinical and Experimental Neuropsychology, 27*, 977-1021.
65. Osimani, A., Vakil, E., Blinder, G., Sobel, R., & Abarbanel, J. M. (2006). Basal forebrain amnesia: A case study. *Cognitive and Behavioral Neurology, 19*, 65-70.

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88. Vakil, E., Lifshitz-Zehavi, H. (2012). Solving the Raven Progressive Matrices by adults with intellectual disability with/without Down syndrome: Different cognitive patterns as indicated by eye-movements. *Research in Developmental Disabilities*, 33, 645-654.
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IV. CONFERENCE PRESENTATIONS

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- daily functioning among persons with Traumatic Brain Injuries (TBI)*. Presented at the Annual Conference of the Israel Psychological Association, Haifa, Israel.
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65. Silberg, T. & Vakil, E. (2004). *The influence of learning instruction on context effect: Immediate and delayed testing*. Presented at the Psychonomic Society, Minneapolis, Minnesota, USA.
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72. Silberg, T. & Vakil, E. (2006). *What defines "Target" versus "Context" information? Factors contributing to the "Context Effect" on memory*. Presented at the International Neuropsychological Society (INS) Conference Zurich. Switzerland.
73. Rhein, Z. & Vakil, E. (2006). *The effect of sequence complexity in the Serial Reaction Time (SRT) on learning rate and transfer?* Presented at the International Neuropsychological Society (INS) Conference Zurich. Switzerland.
74. Vakil, E. (2007). *Beyond trial and error: Theory - driven methods of memory assessment and remediation*. Workshop, Presented at the annual meeting of The Australian Society for the Study of Brain Impairment (ASSBI), Australia.
75. Vakil, E. (2007). *Opening the black box: Analyzing cognitive processes to connect brain and behavior – the case of memory*. Keynote speaker, Presented at the annual meeting of The Australian Society for the Study of Brain Impairment (ASSBI), Australia.
76. Paran, D., Litinsky, I., Navon, S., Hendler, T., Caspi, D., & Vaki, E. (2007). *Impaired memory and learning abilities in patients with Systemic Lupus Erythematosus as measured by the Rey-Auditory Verbal Learning Test*. Presented at the annual European Congress of Rheumatology EULAR, Barcelona, Spain.
77. Vakil, E. (2008). *Beyond trial and error: Theory - driven methods of memory assessment and remediation*. Workshop, Presented at the International Neuropsychological Society (INS) Conference, Hawaii, USA.
78. Shapira-Lichter, I., Litinsky, I., Maimon, A., Vakil, E., Caspi, D., Hendler, T., & Paran, D. (2008). *Functional MRI assessment of memory impairment in SLE. Preliminary results*. Presented at the 7th European Lupus Meeting. Amsterdam, The Netherlands.
79. Zadka, H., Bergman, H., & Vakil, E. (2008). *Number of occurrences of different stimuli on probabilistic classification tasks does not affect the learning process*. The Israel Society for Neuroscience, 17th Annual Meeting, Eilat, Israel.

80. Vakil, E., Raz, T., & Levy, D. A. (2009). *Probing the brain substrates of cognitive processes responsible for context effects on recognition memory*. Presented at the International Neuropsychological Society (INS) Conference, Atlanta, Georgia, USA.
81. Levy, D. A., and E. Vakil. *Forgotten but not gone: Unconscious memory traces yield context effects on recognition*. Presented at COST Conference on Consciousness and its Measures, Limassol, Cyprus, December 2009.
82. Hassin-Baer, S., Karni, A., Cohen, O. S., & Vakil, E. (2009). *Cognitive procedural learning and long-term memory in patients with Parkinson's disease extensively trained in the Tower of Hanoi Puzzle*. Presented at the Annual meeting of the American Academy of Neurology, Seattle, Washington, USA.
83. Shapira-Lichter, I., Hendler, T., Litinsky, I., Vakil, E., Caspi, D., & Paran, D. (2010). *Dynamic Signature of Free Recall in the Medial Prefrontal Cortex in Healthy and SLE Participants*. Presented at the 16th Annual Meeting Human Brain Mapping - HBM, Barcelona, Spain.
84. Lifshitz, H., Vakil, E., & Iychie, M. (2010). *Explicit and implicit memory among participants with William syndrome, Down syndrome and Fragile X versus participants with typical development*. Presented at the 43rd Gatlinburg Conference on research in Intellectual disability, Maryland, USA.
85. Bloch, A. & Vakil, E. (2010). *The Impact of Delay, Interactive Instructions and Exposure Time on the Emergence of Memory Context Effects*. Presented at the International Neuropsychological Society (INS) Conference, Krakow, Poland.
86. Lifshitz, H., Vakil, E., & Iychie, M. (2010). *Explicit and implicit memory among participants with Down syndrome and Fragile X versus participants with the same cognitive level*. Presented at the 12th international conference on Fragile X syndrome, Detroit, USA.
87. Vakil, E. (2010). *Memory Impairment following Traumatic Brain Injury: Can we learn from TBI about Brain-Behavior Relations? Yes we can!* Keynote speaker, Presented at the 61st. Conference of the Israeli Association of Physical and Rehabilitation Medicine, Tel Aviv, Israel.

88. Tibon, R., Vakil, E., Levy D.A., & Goldstein, A. (2010). *Differential brain activation patterns for item recognition and intertemporal associations: a MEG study*. Presented at the 19th Annual Meeting of the Israel Society for Neuroscience, Eilat, Israel.
89. Vakil, E., Shalev, E., & Agranov, E. (2011). *Direct and indirect memory measures of contextual information: High versus low functioning patients with Traumatic Brain Injury (TBI)*. Presented at the International Neuropsychological Society (INS) Conference, Boston, Massachusetts, USA.
90. Vakil, E., Lev-Ran Galon, C., & Agranov, E. (2011). *Conceptual and Perceptual Skill Learning: High versus low functioning patients with Traumatic Brain Injury (TBI)*. Presented at the International Neuropsychological Society (INS) Conference, Boston, Massachusetts, USA.
91. Levy, D. A., Tibon, R., Vakil, E., & Goldstein, A. (2011). *Item recognition and intertemporal associations: A MEG study*. Presented at the Annual Meeting of the Cognitive Neuroscience Society (CNS), San Francisco, USA.
92. Vakil, E., Hassin-Baer, S., & Karni, A. (2011). *Robust long-term retention of patients with Parkinson's disease on the Tower of Hanoi Puzzle following multi-session training*. Presented at the 5th International Conference on Memory (ICOM5), York, England.
93. Vakil, E., & Schonbach-Medina, S. (2011). *The influence of contextual information on performance in attentional versus recognition tasks*. Presented at the 5th International Conference on Memory (ICOM5), York, England.
94. Tibon, R., Vakil, E., Levy, D., & Goldstein, A. (2011). *Early and Late Retrieval Processes: A MEG study of Neural Dynamics Related to Inter-temporal Context Effect*. The XI International Conference on Cognitive Neuroscience (ICON). Palma, Mallorca, Spain.
95. Gabay, Y., Schiff, R., & Vakil, E. (2012). *Dissociation between online and offline learning in Developmental Dyslexia*. Presented at the International Neuropsychological Society (INS) Conference, Montreal, Canada.
96. Lev, Y., Vakil, E., Agranov, E., Sela, M., Sverdlik, A., & Rassovsky, Y. (2012). *Predicting long-term outcome following Traumatic Brain Injury: An empirical investigation of the reserve hypothesis*. Presented at the International Brain Injury Association (IBIA) Ninth Annual World Congress, Edinburgh, Scotland.

97. Sela, M., Rassovsky, Y., Agranov, E., Lev, Y., Sverdlik, A., & Vakil, E. (2012). *Emotional reserve in Traumatic Brain Injury: Evaluating construct validity of emotional reserve and its relationship to functional outcome*. Presented at the International Brain Injury Association (IBIA) Ninth Annual World Congress, Edinburgh, Scotland.
98. Gofer-Levi, M., Silberg, T., Brezner, A., & Vakil, E. (2012). *Skill learning among children with spastic CP*. Presented at the International Cerebral Palsy Conference, Pisa, Italy.
99. Vakil, E. (2013). *The Reserve Construct: How homogeneous is it?* Symposium organizer, Presented at the International Neuropsychological Society (INS) Conference, Hawaii, USA.
100. Vakil, E., Levi, Y., Agranov, E., Sela-Kaufman, M., & Rassovsky, Y. (2013). *Predicting long-term outcome following traumatic brain injury (TBI): Three-factor cognitive reserve structure*. Symposium, presented at the International Neuropsychological Society (INS) Conference, Hawaii, USA.
101. Rassovsky, Y., Sela-Kaufman, M., Levi, Y., Agranov, E., & Vakil, E. (2013). *Emotional reserve in traumatic brain injury: Evaluating construct validity of emotional reserve and its relationship to functional outcome*. Symposium, presented at the International Neuropsychological Society (INS) Conference, Hawaii, USA.
102. Schiff, R., & Vakil, E. (2013). The development of skill learning as demonstrated by the 'Tower of Hanoi' task. presented at the International Neuropsychological Society (INS) Conference, Hawaii, USA.
103. Vakil, E. (2013). *Traumatic Brain Injury: Neuropathology, memory and outcome*. Symposium organizer, presented at the Federation of the European Societies of Neuropsychology (ESN) Conference, Berlin, Germany.
104. Vakil, E. (2013). *Memory impairment following Traumatic Brain Injury*. Presented at the Federation of the European Societies of Neuropsychology (ESN) Conference, Berlin, Germany.
105. Gofer-Levi, M., Silberg, T., Brezner, A., & Vakil, E. (2013). *The Differential Effect of Age and Non- Verbal Intelligence on Different Skill Learning Types among Children with Spastic Cerebral Palsy*. Presented at the International Neuropsychological Society (INS) Mid-Year Meeting, Amsterdam, the Netherlands.

106. Silberg, T., Eliayhu, R., Vakil, E., Ahonniska-Assa, J., Brezner, A., & Pilowsky, T. (2013). *Verbal memory abilities among children with severe TBI: the differential effect of age on the Rey AVLT*. Presented at the International Neuropsychological Society (INS) Mid-Year Meeting, Amsterdam, the Netherlands.
107. Gofer-Levi, M., Silberg, T., Brezner, A., & Vakil, E. (2013). *Motor Sequence Learning in Children with Spastic Cerebral Palsy: Differentiation between General Skill Learning and Implicit Sequence Learning*. Presented at the Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine (AACPD), Milwaukee, WI, USA.
108. Bloch, A., Brick, L., Refael, M., Ariav, K., & Vakil, E. (2014). *Context effects in adults with ADHD: Behavioral and eye movement measures*. Presented at the International Neuropsychological Society (INS) Mid-Year Meeting, Jerusalem, Israel.
109. Vakil, E., Mass, M., & Schiff, R. (2014). *Adults with ADHD eye movement performance on the Stroop task*. Presented at the International Neuropsychological Society (INS) Mid-Year Meeting, Jerusalem, Israel.
110. Gabay, Y., Schiff, R., Vakil, E., & Holt, L. (2014). *Impaired probabilistic learning mechanisms in Developmental Dyslexia*. Presented at the International Neuropsychological Society (INS) Mid-Year Meeting, Jerusalem, Israel.
111. Blachstein, H. & Vakil, E. (2014). *Verbal learning across the lifespan: An analysis of the components of the learning curve*. Presented at the International Neuropsychological Society (INS) Mid-Year Meeting, Jerusalem, Israel.
112. Taragin, D., Tzuriel, D., & Vakil, E. (2014). *Mental rotation: The effects of processing strategy and gender on children's performance and eye movements' pattern*. Presented at the International Neuropsychological Society (INS) Mid-Year Meeting, Jerusalem, Israel.
113. Zadka, H., Bergman, H., & Vakil, E. (2014). *Patients with Parkinson's Disease are able to learn in a probabilistic feedback-based learning environment when level of uncertainty is reduced*. Presented at the International Neuropsychological Society (INS) Mid-Year Meeting, Jerusalem, Israel.
114. Gofer-Levi, M., Silberg, T., Brezner, A., & Vakil, E. (2014). *What can implicit measures tell us about learning abilities among children with Cerebral Palsy (CP)?* Presented at the International Neuropsychological Society (INS) Mid-Year Meeting, Jerusalem, Israel.

115. Bloch, A., Tamir, D., Zeilig, G., & Vakil, E. (2014). *Motor and non-motor sequence learning in people with spinal cord injury*. Presented at the International Neuropsychological Society (INS) Mid-Year Meeting, Jerusalem, Israel.
116. Vakil, E. (2014). *Cognitive reserve and TBI*. Keynote speaker, Presented at the annual meeting of the la Société de Neuropsychologie de Langue Française (SNLF). Paris, France.
117. Vakil, E. (2014). *Outsourcing memories: Factors that determine memory context effects*. Presented at the annual meeting of the la Société de Neuropsychologie de Langue Française (SNLF). Paris, France.
118. Nitzan-Tamar, O., Kramarski, B. & Vakil, E. (2015). *Eye-Tracking patterns as a tool to identify and classify cognitive styles*. Presented at the International Neuropsychological Society (INS) Conference, Denver, USA.
119. Vakil, E. (2015). *Eye tracking: Implicit measures of implicit memory*. Presented at The 1st Israeli Eye Tracking Conference. Tel Aviv, Israel
120. Vakil, E. (2015). *Declarative versus procedural memory: the distinction between task and process*. Presented at the International Conference Cognitive and Neurocognitive Aspects of Learning Abilities and Disabilities. Haifa, Israel.
121. Vakil, E., Ben-Nachum, U., Sompolinsky, B. & Berant, E. (2015). *Memory for context and field dependence in patients with moderate-to-severe Traumatic Brain Injury (TBI)*. Presented at the International Neuropsychological Society (INS) Conference, Sydney, Australia.
122. Vakil, E. (2015). *Long-term outcome following Traumatic Brain Injury (TBI): Three-factor cognitive reserve structure*. Presented (Symposium) at the annual American Congress of Rehabilitation Medicine (ACRM), Dallas, USA.
123. Vakil, E. (2015). *Community integration for individuals with brain injury: A cross-cultural review of service delivery models*. Presented (Symposium discussant) at the annual American Congress of Rehabilitation Medicine (ACRM), Dallas, USA.
124. Vakil, E. (2015). *Dissociation Between Memory Processes: The Contribution of Research on Memory Impairment Following Traumatic Brain Injury*. Keynote speaker, Presented at the annual American Congress of Rehabilitation Medicine (ACRM), Dallas, USA.
125. Chen, I., Lifshitz-Vahav, H., & Vakil, E. (2015). *Intelligence and memory trajectories among adolescents and adults with ID compared to those with typical development (TD)*.

- Presented at the International Association for Cognitive Education and Psychology, Athens, Greece.
126. Zemach, M., Lifshitz-Vahav, H., & Vakil, E. (2015). *Intelligence and memory trajectories in middle age and adults with ID, compared to those with TD*. Presented at the International Association for Cognitive Education and Psychology, Athens, Greece.
 127. Packer, L., Silberg, T., Gofer-Levi, M., Landa, J., Brezner, A., & Vakil, E. (2015). *Implicit memory in children with TBI shows similar trends as typically developing children*. Presented at the International Conference on Pediatric Acquired Brain Injury, Liverpool, England.
 128. Vakil, E. (2015). *Long-term outcome following Traumatic Brain Injury (TBI): Three-factor cognitive reserve structure*. Invited lecture presented at The College of Clinical Neuropsychologists (CCN), Queensland Branch, Australia.
 129. Vakil, E. (2015). *Dissociation Between Memory Processes: The Contribution of Research on Memory Impairment Following Traumatic Brain Injury*. Invited lecture presented to School of Psychological Sciences, Monash University Melbourne, Australia.
 130. Vakil, E. (2015). *Long-term outcome following Traumatic Brain Injury (TBI): Three-factor cognitive reserve structure*. Invited lecture presented at the School of Psychology, University of New South Wales Sydney, Australia.
 131. Vakil, E., Aviv, O., Mishael, M., & Sacher, Y. (2016). *Direct and indirect measures of context in patients with moderate-to-severe Traumatic Brain Injury (TBI): The additive contribution of eye tracking*. Presented at the International Neuropsychological Society (INS) Conference, Boston, Massachusetts, USA.
 132. Vakil, E. (2016). *Anticipation measures of sequence learning: Manual versus oculomotor versions of the serial reaction time task*. Invited lecture presented at the 6th International Meeting of the Haifa Forum for Brain and Behavior, Haifa, Israel.
 133. Packer, L., Silberg, T., Gofer-Levi, M., Landa, J., Brezner, A., & Vakil, E. (2016). *Motor and cognitive skill learning preserved after pediatric traumatic brain injury*, Presented at the Eleventh World Congress on Brain Injury, Hague, the Netherlands.
 134. Kahana-Levy, N., Borowsky, A. & Vakil, E. (2016). *The effects of repetitive presentation of a specific video based hazard on novice and experienced drivers' hazard perception*

- procedural learning abilities*. Presented at the European conference of human centered design for intelligent transport systems, Loughborough University, UK.
1354. Vakil, E., Bloch, A., & Cohen, H. (2016). *Anticipation measures of sequence learning: Manual versus oculomotor versions of the Serial Reaction Time Task*. Presented at the 6th International Conference on Memory (ICOM-6), Budapest, Hungary.
136. Vakil, E. (2016). *Direct and indirect measures of context in patients with TBI: The additive contribution of eye tracking*. Symposium presented at the 6th International Conference on Memory (ICOM-6), Budapest, Hungary.
137. Vakil, E., Betsler-Cohen, G., & Vardi, N. (2016). *Conceptual and perceptual processes involved in context effect in memory: Behavioral and eye tracking measures*. Presented at the International Neuropsychological Society (INS) Conference, London, UK.
138. Vakil, E. (2016). *Long-term outcome following Traumatic Brain Injury (TBI): Three-factor cognitive reserve structure*. Invited lecture, Australian Society for the Study of Brain Impairment (ASSBI). ASSBI Webinar Series 2016.
139. Kahana-Levy, N., Golkin, S., Borowsky, A., & Vakil, E. (2016). *The effects of repetitive presentation of a specific video based hazard on novice and experienced drivers hazard perception procedural learning abilities*. Proceedings of the European Conference on Human Centered Design for Intelligent Transport Systems. Loughborough, UK.
140. Parag, O., & Vakil, E. (2017). *Distinct eye movements for different cognitive processes as expressed in the face recognition task*. Presented at the International Neuropsychological Society (INS) Conference, New Orleans, LA, USA.
141. Vakil, E. Ohayon, M., & Aviv, O. (2017). *Direct and indirect measures of context in older versus young adult: The additive contribution of eye tracking*. Presented (Symposium) at the International Neuropsychological Society (INS) Conference, New Orleans, LA, USA.
142. Vakil, E. (2017). *Long-term outcome following Traumatic Brain Injury (TBI): Three-factor cognitive reserve structure*. Invited lecture presented at the Kessler foundation, N.J. USA.
143. Vakil, E. (2017). *Dissociation between Memory Processes: The Contribution of Research on Memory Impairment following Traumatic Brain Injury*. Invited lecture presented at the conference on Memory, Tel Aviv University, Israel.

144. Vakil, E. (2017). *Declarative versus procedural memory: the distinction between task and process*. Invited lecture presented at the Israeli Scientific Foundation (ISF) workshop on language and memory, Bar Ilan University, Israel.
145. Vakil, E. (2017). *The effect of practice variability on transfer in a cognitive skill learning task*. Invited lecture presented at the International conference on Cognitive Improvement: Approaches, Mechanisms and Applications. Bar Ilan University, Israel.
146. Packer, L, Gofer-Levi, M., Silberg, T., Bar, O., Landa, J., Brezner, A & Vakil, E. (2017). *Skill Learning Following Severe Traumatic Brain Injury is Associated with Child's Phase of Recovery: Preliminary Findings*. The 2nd International Conference on Pediatric Brain Injury, Rome, Italy.
147. Vakil, E. (2017). *Dissociation between memory processes: The contribution of research on memory impairment following Traumatic Brain Injury*. Invited lecture presented to Center for Applied Neuroscience. University of Cyprus, Nicosia, Cyprus.
148. Vakil, E., McDonald, S, Vardi-Shapiro, N., & Allen, S. K. (2018). *Facial expressions yielding context memory effect: The additive contribution of eye movements*. Presented at the International Neuropsychological Society (INS) Conference, Washington, DC., USA.
149. Bloch, A., Vakil, E., Shaham, M., Tamir, D., Zeilig, G., (2018). *Characterizing implicit sequence learning deficits following spinal cord injury using an oculomotor Serial Reaction Time Task among individuals with tetraplegia*. Presented at the International Neuropsychological Society (INS) Conference, Washington, DC., USA.
150. Schwizer Ashkenazi, S., Silberg, T., Gutman D., Brezner A., Vakil, E. (2018). *Implicit Sequence Learning in Children with Cerebral Palsy: New Directions and Preliminary Findings*. Presented at the East European and Mediterranean Cerebral Palsy and Developmental Medicine (EEMCPDM) Conference, Tel Aviv, Israel.
151. Vakil, E., Schwizer Ashkenazi, S., Nevet-Perez, M., & Hassin-Baer, S. (2018). *Implicit sequence learning in individuals with Parkinson's disease, measured by an oculomotor-activated Serial Reaction Time Task*. Presented at the International Neuropsychological Society (INS) Conference, Prague, Czech Republic.
152. Vakil, E., Schwizer Ashkenazi, S., & Sacher, Y. (2018). *Implicit Sequence Learning Following Traumatic Brain Injury, Measured by an Oculomotor-Activated Serial Reaction Time Task*. Presented at the International Neuropsychological Society

- (INS) Conference, Prague, Czech Republic.
153. Kahana-Levy, N., Vakil, E., Borowsky, A., & Sacher, Y. (2018). *The effects of repetitive presentation of a specific video based hazards on drivers after Traumatic Brain Injury and age matched experienced drivers' hazard awareness abilities*. Presented at the International Neuropsychological Society (INS) Conference, Prague, Czech Republic.
 154. Tal, A., Bar, M., & Vakil, E. (2018). *Exploratory and exploitative tendencies in oculomotor anticipation during a Serial Reaction Time Task*. Presented at the Cognitive Science Society (CogSci) conference, Madison, WI, USA.
 155. Tal, A., & Vakil, E. (2018). *Probabilistic analysis of oculomotor signal reveals non-sequential learning patterns in a sequential learning paradigm*. Presented at the Society for Mathematical Psychology (MathPsych) conference, Madison, WI, USA.
 156. Dalla Torre, M. & Vakil, E. (2019). *Eye movements as a potential factor for facilitating memory retrieval in older adults*. Presented at the International Neuropsychological Society (INS) Conference, New York City, NY, USA.
 157. Vakil, E., Greenstein, Y., Weiss, I., & Shtein, S. (2019). *The effects of moderate-to-severe traumatic brain injury on episodic memory*. Presented at the International Neuropsychological Society (INS) Conference, New York City, NY, USA.
 158. Krch, D., Frank, L., Chiaravalloti, N. D., Vakil, E., & DeLuca, J. (2019). *Cognitive reserve protects against memory decrements associated with neuropathology in traumatic brain injury*. Presented at the International Neuropsychological Society (INS) Conference, New York City, NY, USA.
 159. Stone, E., Vakil, E., DeLuca, J., Genova, H. (2019). *Facial affect recognition differences in individuals with MS: A pilot study using eye-tracking*. Presented at the International Neuropsychological Society (INS) Conference, New York City, NY, USA.
 160. Vakil, E., Deitcher, Y., & Sachar, Y. (2019). *Effect of eye movement reactivation on visual memory among individuals with traumatic brain injury (TBI)*. Presented at the European Conference on Eye Movement (ECEM). Alicante, Spain.
 161. Vakil, E., Deitcher, Y., & Sachar, Y. (2019). *Effect of eye movement reactivation on visual memory among individuals with traumatic brain injury (TBI)*. Presented at the International Neuropsychological Society (INS) Conference, Denver, Colorado, USA.

162. Lugasi, N., Sachar, Y., & Vakil, E. (2020). *The effect of facial expressions on the process of learning, and memory of face images among healthy participants and individuals with traumatic brain injury (TBI): Examination using eye movements*. Presented (virtually) at the International Neuropsychological Society (INS) Conference, Vienna, Austria.
163. Lambez, B., & Vakil, E. (2021). *Auditory and visual Versions of the WMS III Logical Memory subtest: The effect of relative importance of information units on forgetting Rate*. Presented (virtually) at the International Neuropsychological Society (INS) Conference, San Diego, California, USA.
164. Lambez, B., & Vakil, E. (2021). *The effectiveness of External vs. Internal memory remediation strategies as a function of injury severity in individuals with traumatic brain injury: Systematic review and meta-analysis*. Presented (virtually) at the International Neuropsychological Society (INS) Conference, San Diego, California, USA.
165. Tal, A., & Vakil, E. (2021). *Dissociating grammar learning from sequence learning in a sequence learning task*; CogSci 2021 Boston-Cambridge Meetup at MIT-BCS, Boston, USA.
166. Vakil, E. (2021). *Dissociations of memory processes: The contribution of research on memory impairment following Traumatic Brain Injury*. Keynote speaker, Presented at the annual meeting of the la Société de Neuropsychologie de Langue Française (SNLF). Paris, France.
167. Schwizer Ashkenazi, S., Raiter-Avni, R., & Vakil, E. (2022). *The benefit of assessing implicit sequence learning in pianists with an eye-tracked Serial Reaction Time Task*. Presented at the International Neuropsychological Society (INS) Conference, New Orleans, LA, USA.
168. Lugasi, N., Sachar, Y., & Vakil, E. (2022). *Emotional context-dependent effect: Perceptual vs. conceptual processes*. Presented at the International Neuropsychological Society (INS) Conference, New Orleans, LA, USA.

V. ACADEMIC AND PROFESSIONAL ACTIVITIES

- Distinguished Career Award received by the Israeli Psychological Association – Rehabilitation Psychology. (2019)
- Distinguished Career Award received by the International Neuropsychological Society (INS). (2017)
- Associate Editor of the *Journal of the International Neuropsychological Society* (JINS). The official journal of the International Neuropsychological Society (INS). (2004 - 2008)
- Chairman of the Psychology Department, Bar-Ilan University (2003-2005)
- Governing Board member of the International Neuropsychological Society (INS) (2004 - 2007)
- Member of the Publication Committee of the International Neuropsychological Society (INS) (2013- 2016)
- Member of the Advisory Board of the *Journal of the International Neuropsychological Society* (JINS) (2014-present).
- Chairman of the program/scientific committee of the mid-year meeting of the International Neuropsychological Society (INS) in Jerusalem Israel (2014)
- Co-chairman of the Scientific and Organizing Committees of the first Israeli eye tracking conference “New directions in psychological research using eye tracking”. Israel (2015).
- Member of the discussion group “Holocaust – Transmitted Memory and Fiction” Project for A Research Group and Workshop Van Leer Institute for Advanced Studies, Jerusalem (2013-2015) <http://www.vanleer.org.il/he/memory>.
- Scientific Journals’ ad-hoc reviewer:
 - Aging, Neuropsychology, and Cognition*
 - Child Neuropsychology*
 - Epilepsia*
 - Experimental Brain Research*
 - Journal of Clinical and Experimental Neuropsychology*
 - Journal of the International Neuropsychological Society (JINS)*
 - Neuropsychology*

Neuropsychologia

- Head of the Rehabilitation Psychology Subprogram, Psychology Department, Bar-Ilan University (1996-1999)
- Chairman of the Section of Rehabilitation Psychology in the Israel Psychological Association (1991-1994)
- Member of the Inter-Senate Committee for the Protection of Academic Freedom (2009 – 2013)
- Author of the Hebrew version of the Rey – Auditory Verbal Learning Test (AVLT)
- Member of the International Neuropsychological Society (INS)
- Member of the Israel Psychological Association (IPA)
- Member of the American Congress of Rehabilitation Medicine (ACRM)
- Certified as Rehabilitation Psychologist in Israel
- Co-chairman of the Scientific and Organizing Committees of the International Conference on the Rehabilitation of the Head-Injured Person: A Neuropsychological Perspective. Tel-Aviv, Israel (November, 1987)
- Member of the Scientific Committees of the Israeli Conference on Physical and Rehabilitation Medicine. Tel-Aviv, Israel (December, 2005; December, 2006; February, 2016)
- Chairman of the Scientific and Organizing Committees of the Israeli Neuropsychological Society meeting, Tel -Aviv, Israel (February, 2012)
- Member of the Scientific Committees of the International Neuropsychological Society (INS) meeting in Seattle, Washington, USA (February, 2014)
- Member of the Scientific Committees of the International Neuropsychological Society (INS) meeting in Cape Town, South Africa, (July, 2017)
- Contributor and consultant to the International Neuropsychological Normative Database Initiative (INNDI)

VI. GRANTS

Years	Type of grant	Title	Funding Source	Researchers	Sum
1991-1992	Research grant	"Long-term follow-up on the effects of head-injury"	The Defense Ministry and the National Insurance Institute	Hoofien, D., Vakil, E., & Donovick, P.	30,000 \$US
1991-summer	Travel grant	"Rehabilitation of head-injured patients: A holistic approach"	Neuropsychology Research Unit, Julia Farr Rehabilitation Center. Adelaide, Australia	Vakil, E	20,000 \$AUS
1993-1994	Research grant	"Two-year follow-up on the rate of memory recovery following head-injury"	The Fleishman Foundation - Loewenstein Rehabilitation Center	Stern, M., & Vakil, E.	10,000 NIS
1993-1994	Research grant	"The effect of basal ganglionic lesions on procedural memory"	The Israel Sciences Foundation--The Israel Academy of Sciences and Humanities (ISF).	Vakil, E., & Soroker, N.	42,000 \$US
1995-1997	Research grant	"Rey – Auditory Verbal Learning Test (AVLT): Israeli children's norms"	Israel Ministry of Education	Vakil, E.	30,000 NIS
1998-1999	Research grant	"Rey – Auditory Verbal Learning Test (AVLT) and children with learning disabilities"	Israel Ministry of Education	Vakil, E.	30,000 NIS
1998-1999	Research grant	"The effect of electroconvulsive therapy (ECT) on implicit memory:	Gonda Foundation	Vakil, E., & Grunhaus, L.	10,000 NIS

		Skill learning and perceptual priming”			
2000-2001	Research grant	"The effects of basal ganglia output interruption and the acquisition and retention of procedural knowledge: Behavioral and fMRI studies of pallidotomy"	Gonda Foundation	Vakil, E., Hasin-Baer, S., Kushnir, T., & Karni, A.	10,000 NIS
2002-2005	Research grant	"Memory processes in patients with Parkinson's disease"	Paula Rich Multidisciplinary Center in Mind, Brain and Behavior	Vakil, E.,	10,000 NIS
2002-2003	Research grant	"Examination of the Effects of Transcranial Magnetic Stimulation (TMS) on Cognitive Procedural Learning – Towards an Integrative Neuropsychological Model"	Gonda Foundation	Vakil, E., Grunhaus, L, Karni, A., & Polack, D.	10,000 NIS
2002-2003	Chair in Medical Research	"Normal and Pathological Memory Processes, Memory Impairment or Amnesia caused by Traumatic Brain Injury (TBI), CVA, Aging, Parkinson's disease, and Attention Deficit Disorder (ADD)"	Christians for Israel	Vakil, E.,	10,000 \$US
2006-2007	Research grant	"The association between eye	Keren Shalem	Lifshitz, H., Vakil, E.,	60,000 NIS

		movement and difficulties in conceptual and perceptual analogical solving problems among adolescents and adults with intellectual disability compared to individuals without disability of the same mental age"		Tzuriel, D. Weiss, I., & Y. Arzuan, Y.	
2006-2007	Research grant	"Memory Disorder Remediation through Context-Based Cognitive Strategies"	Israel Ministry of Health, Chief Scientist's Office	Vakil, E. Levy, D.	80,000 NIS
2008-2010	Research grant	"Strategy use, Error Type and Eye Tracking in Raven Matrices Performance among Adults with Intellectual Disability with/without Down Syndrome"	Fondation Jerome Lejeune	Lifshitz, H., Vakil, E., & Weiss, I.	34,000 EUO
2013-2015	Research grant	"Specific Procedural Learning Difficulties among individuals with Developmental Dyslexia: The effects of modality and nature of stimuli."	The Israel Sciences Foundation--The Israel Academy of Sciences and Humanities (ISF).	Schiff, R. & Vakil, E.	450,000 NIS

VII. Research students – Past and present:

- Thirty-three PhD students
- Sixty-one MA students