

Curriculum Vitae

1. Personal Data

Name in Hebrew: ד"ר גל כרמית
Name in English: Gal Carmit, Ph.D.
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2. Education Certificates and Degrees

<u>Education</u>	<u>Institute</u>	<u>Department</u>	<u>From - To</u>
First Degree	University of Haifa, Israel	Occupational therapy	2001-2005
Second Degree	University of Haifa, Israel.	Learning Disabilities	2007-2011
Third Degree	University of Haifa, Israel	faculty of Neurobiology	2012-2018
Post -doctoral training	Gonda Multidisciplinary Brain Research Center	Bar-Ilan University	2018

- 3. Title of Master's Thesis:** Not quite there: Skill consolidation in training by doing or observing
Supervisor: Prof. Avi Karni

Title of Doctoral Thesis: A better time-of-day: The effects of multi-session practice scheduled to evening vs. morning hours in training for a motor skill in the elderly

Supervisor: Prof. Avi Karni and Dr. Maria Korman

4. Grants and Awards

<u>Year</u>	<u>Name of Grant/Award</u>
2012 – 2016	Ph.D. Scholarship for Excellence, University of Haifa, Israel

5. Positions Held

<u>From-To</u>	<u>Institute</u>	<u>Position</u>
2018	Tel Aviv municipality	An advisor for Urban 54 project by Tel Aviv municipality.
2016-2018	Eshnav	A project manager in the field of computerized vocational diagnosis. As part of my work, I am in charge of evaluating all aspects of work environment; ergonomic aspects, learning potential. In addition, conducting research of healthy and disabled individuals using the computerized version as a mean for customization for a variety of consumers.
2016-2017	Clalit medical care	A lecturer in 42h course on Developmental aspects of motor learning for occupational therapists (with Dr. Korman).
2016-2017	University of Haifa	Teaching assistant in the courses of Physiology and Neuropsychology in the department of Occupational therapy.
2012-2017	Karni's Laboratory	Manager of Prof Karni's lab. As part of my responsibilities I was in charge of Helsinki documentations as well as writing monthly grants reports. In addition, assisting graduate students in academic and formal preparations.
2014	Gordon College of education, Haifa	A lecturer. My courses included the neurobiological processes underlying the evolution of long term procedural memory.
2009-Present	Private clinical practice as an occupational therapist	An evaluator of work performance of disabled individuals. My work includes recommending ergonomic and alterations that can influence/improve performance among disabled individuals.

<u>From-To</u>	<u>Institute</u>	<u>Position</u>
2008-2013	Clalit, unit	A developmental occupational therapist.
2006-2009	Clalit, unit	An occupational therapist in cognitive and physical rehabilitation of head injuries/ orthopedic injuries.
2006-2007	“Keren” rehabilitation company	An evaluator of work performance of disabled individuals.
2005-2008	Clalit, unit	A developmental occupational therapist.
2019- present	Western Galilee College	Academic Secretary and Head of External Relations.

6. Scientific Areas of Specialization

I investigate behavioral changes that occur during acquisition, retention and retrieval of memories in humans. I am interested in exploring factors that support and facilitate successful performance, consolidation and long term retention of memories, e.g., circadian factors, age-dependent and mood related factors. This knowledge provides a scientific basis for developing rational protocols for effective training and education as well as for enhanced well-being of healthy people.

Publications

Gal Carmit, Ph.D.

1. Korman, M., Shaklai, S., Cisamariu, K., **Gal, C.**, Maaravi-Hesseg, R., Levy, I., Keren, O., Karni, A., & Sacher, Y. (2018). Atypical within-session motor procedural learning after traumatic brain injury but well-preserved between session procedural memory consolidation. *Frontiers in Neuroscience*
2. Maaravi-Hesseg, R., **Gal, C.*.**, & Karni, A. (2016). Not quite there: Skill consolidation in training by doing or observing. *Learning & Memory*, 23, 189- 194. (* *equal contribution*)
3. Reitze, S., Heisterüber, M., Karni, A., **Gal, C.**, Doyon, J., King, B.R., Classen, J., Rumpf, J.J., Buccino, G., Klann, J., & Binkofski, F. (2016). Motor sequence learning in patients with limb apraxia – The effects of long-term training. *Clinical Neurophysiology*, 127, 291-292.
4. **Gal, C.**, Gabitov, E., Maaravi-Hesseg, R., Karni, A., Korman, M. (2019). A delayed advantage: Multi-session training at evening hours leads to better long-term retention of motor skill in the elderly. *Frontiers in Aging Neuroscience*. <https://doi.org/10.3389/fnagi.2019.00321>.
5. Korman, M., **Gal, C.**, Gabitov, E., Karni, A. (2021). Better later: evening practice is advantageous for motor skill consolidation in the elderly. *Learning & Memory*
<http://www.learnmem.org/cgi/doi/10.1101/lm.052522.120>.
6. Lowencuss-Erlich, I., Karni, A., **Gal, C.**, Vakil, E. The effect of Intervals after practicing two tasks for varying periods of time- a simple motor task and a complex cognitive task (*In preparation*)
7. Willms, S., Abel, M., Karni, A., **Gal, C.**, Doyon, J., King, B.R., Classen, J., Rumpf, J.J., Buccino, G., Pellicano, A., Klann, J., Binkofski, F. Motor sequence learning in patients with limb apraxia: Effects of long-term training (*In review, Cortex*).

Conferences

Gal, C. (16/9/2020). Organizer and lecturer of a virtual conference: brain and mental aspects of learning processes. Western Galilee College.

Gal C, Karni, A, Korman, M. (2018). Contribution of training time in older adults: differential effects of evening training on the time-course of motor sequence learning. The 66th Katzir conference: Timelines in Biology 2018: From a solo recital to a Full Orchestra, Weizmann institute of science.

Gal C, Karni, A, Korman, M (2018, July). A better time-of-day: The effects of multisession practice scheduled to evening vs morning hours in training for motor skill in the elderly- The 11th FENS forum of neuroscience, Berlin, Germany.

Gal C, Karni, A, Korman, M (2018, June). Contribution of training time in older adults: differential effects of evening training on the time-course of motor sequence learning. The society of light treatment and biological rhythms –Groningen.

Gal C, Maaravi Hesseg, Karni, A (2014, October). Physical training and training by observation are not the same. The 50th Annual Conference of the Israeli association of communication clinicians- Tel Aviv, Israel.

Gal C, Maaravi Hesseg, Karni, A (2012, July). Actual movement and observation of movement are not the same: No interference in the establishment of delayed consolidation phase gains by subsequent observed movement. Fens motor learning symposium Barcelona, Spain.

Gal C, Maaravi Hesseg, Karni, A (2011, August) Actual movement and observation of movement are not the same: no interference in the establishment of delayed consolidation phase gains by subsequent observed movement. 5th International Conference on Memory (ICOM 5). York, England.

Gal C, Maaravi Hesseg, Karni, A (2009, June). Observational learning in procedural learning . 1st International Conference of the Edmond J. Safra Brain Research Center for the Study of Learning Disabilities - University of Haifa, Israel.