

**Talma Hendler MD, PhD**

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Date of Birth: 9.7.1955

## CURRICULUM VITAE

### EDUCATION

- 1976 - 1979 Hebrew University of Jerusalem, Biology Bsc
- 1981 - 1985 SUNY at Stony-Brook, NY, Psychobiology PhD
- Thesis:** "Auditory Evoked Potentials in Multiple Sclerosis: Radiological (MRI), Psychological and Clinical Correlates"  
**Supervisor:** Prof. Nancy Squire
- 1981-82, 1985 - 86 Ben Gurion University Medical School, towards MD
- 1987 - 1992 Sackler School of Medicine, Tel Aviv University, MD
- 1993-1998 Chaim-Sheba Medical Center, Israel, Psychiatry Resident  
Israeli board certificate in Psychiatry

### ACADEMIC EXPERIENCE

- 1981-1985 Teaching Assistant as a PhD student in psychobiology, SUNY at Stony Brook, NY
- 1986-1988 Course Instructor: Undergraduate course in psychophysiology, Behavioral Sciences Department, Ben-Gurion University
- 1993-1998 Clinical Instructor in Psychiatry, Chaim Sheba Medical Center & Tel-Aviv Sourasky Medical Center
- 1998- Bi-annual cluster of lectures on imaging in psychiatry as part of the continue education program for residents in psychiatry.
- 1995-1996 Visiting Scientist Department of Neurobiology, Weizmann Institute
- 1999 - Director, Functional Brain Center, Whole Institute for Advanced Imaging, Tel-Aviv Sourasky & Medical Center & Levi-Edersheim-Gitter Institute for functional imaging, Tel Aviv University
- 2002 - 2006 Visiting Scientist, Laboratory of Brain and Cognition, NIMH, NIH, Bethesda, Maryland
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2005 -2008	Senior Lecturer (tenure track), Department of Psychology & Department of Physiology and Pharmacology, Tel-Aviv University
2008-2013	Associate Professor (tenured), School of Psychological Studies & Department of Physiology and Pharmacology, Tel-Aviv University
2013-	Full Professor of Psychiatry and Psychology Tel Aviv University

### CLINICAL WORK EXPERIENCE

1991-1992	Internship in Medicine, Tel-Aviv Sourasky Medical Center
1993-1997	Residency in Psychiatry, Chaim-Sheba Medical Center
1997-1998	Senior Psychiatrist, Chaim-Sheba Medical Center
1998 - 2000	Psychiatric consultant for Neurology Department and Functional Neurosurgery Unit, Tel-Aviv Sourasky Medical Center
1998-	Director, Functional Brain Imaging Clinical Service, Tel Aviv Sourasky Medical Center, Wohl Institute for Advanced Imaging
1998 -	Clinical director, Presurgical Brain Mapping Service, Wohl Institute for Advanced Imaging, Tel-Aviv Sourasky Medical Center
2005 -	Clinical Consultant, Neurobiology Department, Weizmann Institute
2008 -	Clinical Consultant, MEG Clinic, the Gonda Neuroscience Center, Bar Ilan University

### ACADEMIC AND PROFESSIONAL AWARDS

#### Personal Scholarships and Awards

1982	Graduate Student Award, Sigma Phi Research Award, USA
1995	Award for Distinguished Resident in Psychiatry, Haim-Sheba Medical Center
2008	Award presented by the Commanding General for Medical Research and Materiel Command, US Army (1138)

#### Research Grants

1999-2000	Israeli Ministry of Defense: Processing Traumatic Visual Stimuli in PTSD: an fMRI study \$5,000 per year (PI)
1999-2002	Israel Science Foundation: Visual Language Interface: fMRI and Intracranial recordings \$30,000 per year (PI)

1999-2000	Israeli Ministry of Health – Guardian, Presurgical Language Mapping by fMRI in Individuals with Lateralized Brain Lesions \$10,000 (PI)
2000-2002	Psychobiology Society: Facial perception in first episode schizophrenia: Baseline and follow-up study of fMRI, \$15,000 per year (co-PI)
2001-2004	Israeli Ministry of Science and Technology, Multi -Center Grant of Biotechnology: Biological and Engineering Approaches for Improving Functional Brain Imaging, \$200,000 per year (center PI).
2003-2004	Israel Defense Forces. The Effect of Stressful Life Event on Brain Activation, \$10,000 for one year (PI)
2004-2006	Israel Science Foundation, Bikura, Functional and anatomical correlates of fast neuronal oscillations in the human brain: simultaneous EEG and MRI based measurements, \$40,000 per year + \$17000 dedicated equipment (PI)
2004-2006	Israel Science Foundation, Pediatric Amblyopia, Model of Visual Cortex Plasticity: A Functional Imaging Study, \$30,000 per year (PI)
2004-2006	Complexity Science Institute, Development of functional MRI apparatus for prevention of image distortion and signal loss. Mentor for a Post-doctorate fellowship for Dr Arnon Neufeld \$25,000 per year.
2004-2006	Israeli Ministry of Science and Technology. Multi-Center Grant of Neurogenomic approach to characterizing individual response to stressful life experience, \$100,000 per year (Center PI).
2006	Co-operative German-Israeli grant from the Kurt Lion Foundation. Multi Scale Mapping of the Behaving Human Brain: Complementary approach by fMRI, EEG and MEG \$8000
2006-2008	National Institute for Psychobiology. Assessing Memory Organization in the Medial Temporal Epilepsy: Multimodal approach for pre-surgical evaluation. Mentor for a Post-doctorate fellowship for Dr Irit Richter Shapira, \$15,000 per year.
2006 - 2009	Israel-US Binational Science Foundation. Dynamics of Functional Brain Networks: Combined MRI/ MEG study \$120K (PI).
2006 - 2009	EU- NEST “What it means to be human” European-Israeli co-operation (sub-contractor) ~\$30,000.

- 2007 - 2010 National Core Facility Center Grant, National Institute for Psychobiology Brain Mapping of the Dynamic Brain: combined EEG /fMRI \$250K (PI).
- 2007 - 2010 Converging Technologies program, Israel Science Foundation. Causal Inference from distributed dynamics in brain activity: multi-modal, non- invasive computerized approach \$450K (Leading PI in a group of 3).
- 2010-2012 A New Science of Virtue research, University of Chicago. "The great virtue of anger control \$130K (Leading PI).
- 2010-2013 U.S Department Of Defense. "Prospective EEG/fMRI Evaluation of Military Stress Regulation" ~\$2M (PI)
- 2011-2014 Euro-Active (Consortium partner); Pre and intraoperative surgical advanced brain mapping capabilities, including multi-scale measurements of brain structure and function €244,000
- 2011-2018 Representative of TAU for the competition on Israel-Centers of Excellence program in advanced cognitive science. Awarded the joint center (with the Weizmann Inst and Bar Ilan University): The Recursive Mind: From Perception to Memory and Back
- 2013-2016 BRAINTRAIN: FP7 Health Program (Consortium partner, leader of a WP), Taking Imaging In to the Therapeutic Domain: Self -regulation of the brain systems for mental disorders, Total: €6M
- 2016-2018 Israeli Ministry of Science and Technology. A specific, non-invasive, closed loop neuromodulation system for treatment of chronic pain in a natural environment, Total: ~\$114K
- 2016-2019 US Department of Defense. Emotional Brain Fitness via Limbic Targeted Neurofeedback, Total: \$1.1M

#### ACADEMIC COMMITTEES AND JOURNAL REVIEW BOARDS

- 2000- Grant Reviewer: Israel Academy for Science, Binational Israel -USA Science Foundation; National Institute for Psychobiology; Technion Medical School, Haifa; Hadassah Medical School, Jerusalem; Welcome Science Foundation, UK; NARSAD Young Investigator Award, Israel Ministry of Health.
- 2002 Organizing Committee: NATO-Advanced Research Workshop On Psychiatric Neuroimaging
- 2002 - Ad hoc referee on peer review journals: Neuron (Cell); Neuroimage; Human Brain Mapping; American Journal of

2002 -	Psychiatry; J. of Neuroscience; Neuroscience Letters; Cerebral Cortex; Biological Psychiatry; Archive of Psychiatry Academic Committee for grants of the Israel Science Foundation (psychobiology section); Israel Ministry of Health (neurology section)
2002- 2005	Ad hoc Admission Committees of Sackler School of Medicine, Tel-Aviv University
2002 -	Academic Committee, Levi - Edersheim- Gitter Institute of human neuroimaging Tel-Aviv University and Tel-Aviv Sourasky Medical Center
2005 - 2010	Organizing and academic committee of the Tel Aviv Human Brain Mapping annual meeting.
2007 -	Academic committee of the MEG facility in Gonda Center for Neuroscience, Bar Ilan University
2008 -	Academic committee of the Israel Society for Biological Psychiatry; Chair of Annual Meeting in 2011
2009 - 2010	Deputy editor, Israel J of Psychiatry
2011-	Steering committee member, The Israel Center of Excellence for Advanced Cognitive Sciences

### **SUPERVISED STUDENTS**

Students were co-mentored by me until 2005, when I officially joined Tel Aviv University faculty.

#### **Post-Doctoral Students**

2000 - 2003	Yaniv Assaf, PhD
2001 - 2003	Ariella Gigi, PhD
2004 - 2006	Arnon Neufeld, PhD
2004 - 2006	Yulia Lerner, PhD
2005 - 2007	David Papo, PhD
2006 - 2009	Irit Shapira-Lichter, PhD
2007 - 2009	Hadas Okon-Zinger, PhD
2009 - 2011	Donna Abecsis, PhD
2010 -	Yifat Glikmann-Johnston, PhD

#### **Doctoral Students**

##### ***Completed***

Michal Ben Shachar (1999 - 2003). Representation of Syntactic Transformation in the brain. Co-mentor: Prof. Yosef Grudjinsky. (Tel Aviv University).

Michal Kafri (2002 - 2008). Prospective motor brain mapping in stroke: gray and white matter measurements. Co-mentors: Prof Natan Borenshtein and Dr Yaniv Assaf (Tel Aviv University).

Maya Bleich (2003 – 2009). Limbic-cognitive brain functions in Schizo-OCD. Co-mentor: Ronit Weizman (Tel Aviv University).

Keren Rosenberg (2004). The Role of the Supplementary Motor Area and its related network in action planning. Co-mentor: Prof I. Fried. (Tel Aviv University).

Michal Sigal-Ziv (2003). Individual differences in neural processing of pain expectations. Serving as a co-mentor with Prof. Rachel Tomer (Psychology Department, Haifa University).

Daniella Perry (2006). Brain mechanism of empathy. Co-mentoring with Simon Shamay-Tzori (Haifa University).

Roe Admon (2005). Individual differences in brain mediation of resilience to stress. (Physiology and Pharmacology, Faculty of Medicine, Tel Aviv University). Submitted.

Guy Heiman (2006). The neural correlates of cognitive fatigue in multiple sclerosis. (Physiology and Pharmacology, Faculty of Medicine, Tel Aviv University). Submitted.

### **In Progress**

Michal Gruberger (2005). Neural correlates of mind wondering (Physiology and Pharmacology, Faculty of Medicine, Tel Aviv University) . Co-mentors: Avraham Zangen (Weizman Institute), Dr. Hilik Levkpvitz (Shalvata mental health center).

Neomi Singer (2007). Neural correlates of musical emotional experience (Interdisciplinary Neuroscience Program, Psychology, Tel Aviv University). Co-mentor: Roni Grant (Hebrew University of Jerusalem).

Gal Raz (2007). Neural correlates of the cinematic emotional experience. (Physiology and Pharmacology, Faculty of Medicine, Tel Aviv University).

Tal Gonen (2008). Deconstructing Personality by Neural Probing of Motivation and Emotional Regulation (Psychology, Tel Aviv University).

- Sivan Kinreich (2008). Developing an fMRI/EEG neurofeedback procedure for alleviating stress. (Psychology, Tel Aviv University).
- Sharon Vissoser (2008). Neurogenomic of stress Vulnerability. (Interdisciplinary Neuroscience Program, Faculty of Medicine, Tel Aviv University).
- Dr Avenir Tahler (MD) (2008). Neurogenetics of Parkinson disease (Physiology and Pharmacology, Tel Aviv University), Co-mentor with Prof Nir Giladi (Neurology Tel Aviv University).
- Gadi Gilam (2009). Interpersonal facets of anger: multi-level investigation. (Psychology Tel Aviv University). Co-mentor: Prof Dan Arieli, Duke U. USA
- Adi Maron-Ktaz (2009). Utilizing data mining techniques from gene-expression microarray analysis to investigate fMRI data (Physiology and Pharmacology, Tel Aviv University). Co-mentor: Ron Shamir (School of Computer Sciences, Tel Aviv University).
- Tamar Lin (2010). Structure and function of situational networks (Psychology, Tel Aviv University).
- Eti Ben Simon (2010). Emotional modulation of the resting brain (Physiology and Pharmacology, Tel Aviv University)
- Dr Hagai Sharon (MD) (2010) Underpinning the neural-basis of chronic pain via neurofeedback (Physiology and Pharmacology, Tel Aviv University)
- Moran Artzi (2010) Characterizing vascular brain changes accompanying disturbance of the cerebral blood supply: a multiparametric MRI study. (Physiology and Pharmacology, Tel Aviv University). Co-mentor with Dr Dafna Ben Bashat-Tel Aviv Medical Center.

**MA Students****Completed**

- Shira Dovrat (1997 – 1999). The effect of obsessive compulsive disorder (OCD) on learning and memory: declarative memory versus procedural memory., Co-mentor with Prof. Eli Vakil (Psychology, Bar Ilan University)
- Itamar Kahn (1998 – 2000). Playing it Safe or Taking a Risk: The Role of the Amygdala In Risk Behavior. Co-mentor with Prof. Hezy Yeshurun (Computer Sciences, Tel Aviv University)
- Pia Rotshtein (1999 – 2001). Feeling or Features: Different Sensitivity to Emotion in High-Order Visual Cortex and Amygdala. Co-mentor with Prof. Uri Hadar (Psychology, Tel Aviv University)

- Dafna Palti (1999 - 2001). Cerebral Distribution of Lexical Processing: The Case of Verbs and Nouns. Co-mentor with Prof. Uri Hadar (Psychology, Tel Aviv University)
- Maya Bleich (2000 – 2003). Awareness of feelings: Tasks and Stimuli Effects. Co-mentor with Prof. Matti Mintz (Psychology, Tel Aviv University)
- Ariella Stein (2000 – 2003). The Effect of Negative Emotion on Visual Processing: Neural Interaction in Relation to Recognition. Co-mentor with Prof. Shlomo Bentin (psychology, Hebrew University of Jerusalem)
- Avi Mendelson (2003 – 2005). Assessment of risk in dynamic faces. Co-mentor with Prof. Matti Mintz (Psychology, Tel Aviv University)
- Eti Ben Simon (2005-2008). fMRI correlates of EEG alpha modulation. (Physiology and Pharmacology, Faculty of Medicine, Tel Aviv University).
- Libi Bazursky (2006 – 2008). DTI measures in OCD (Physiology and Pharmacology, Faculty of Medicine, Tel Aviv University)
- Yael Yaakov (2007 – 2010). Functional holographic cliques in fMRI. Co-mentor: Eshel Ben Jacob. (School of Physics, and Faculty of Medicine, Tel Aviv University)
- Moran Artzi (2007-2009). Multiparametric MRI tissue characterization in patients with high grade gliomas (Physiology and Pharmacology, Faculty of Medicine, Tel Aviv University)
- Eran Pasternak, Psychology TAU . A computational account for brain processing of musical expectations TAU. co-mentoring of Tali Tishbi Hebrew University

**In Progress**

- Yuval Fluser, Psychology TAU. Neurofeedback training procedure for chronic pain.
- Noa Erlich, Psychology TAU. Behavioral and physiological correlates of emotional recall.
- Gilan Jackont, Psychology TAU. Optimizing EEG neurofeedback probe by considering Individual differences in base-line neural activity.

## PUBLICATIONS

Journal Articles

1. Herishanu Y., Louzoun Z., **Garlik T** (Hendler T). (1986). Contrast grating sensitivity and visual evoked potentials in parkinsonian patients. *Neuro-Ophthalmology*, 6:43-48.  
**IF: 0.161** – Rank: 158/167 (Clinical Neurology), 48/49 (Ophthalmology)
2. Lehrer PM., Batey DM., Woolfolk RL., Remde A., **Garlik T** (Hendler T). (1988). The effect of repeated tense-release sequences on EMG and self-report of muscle tension: an evaluation of Jacobsonian and post-Jacobsonian assumptions about progressive relaxation. *Psychophysiology*, 25:562-569.  
**IF: 3.926** – Rank: 60/231 (Neurosciences), 16/75 (Physiology), 11/71 (Psychology)
3. O'Donnell BF., **Hendler T** and Squires NK. (1988). Visual evoked potentials to illusory reversals of the Necker cube. *Psychophysiology*, 25;(2): 137-143.  
**IF: 3.926** – Rank: 60/231 (Neurosciences), 16/75 (Physiology), 11/71 (Psychology)
4. **Hendler T.**, Squires NK., Emmerich DS. (1990). Psychophysical measures of central auditory dysfunction in multiple sclerosis: neurophysiological and neuroanatomical correlates. *Ear and Hearing* 11;(6): 403-416.  
**IF: 2.091** – Rank: 6/36 (Otorhinolaryngology).
5. **Hendler T.**, Squires NK., Moore J., Coyle PK. (1996). Auditory evoked potentials in multiple sclerosis: correlation with MRI. *Journal of Basic and Clinical Physiology and Pharmacology*, 7;(3):245-278.
6. Gross-Isseroff R., Sasson Y., Voet H., **Hendler T.**, Luca-Haimovici K., Kandel-Sussman H. & Zohar J. (1996). Alternation learning in Obsessive-Compulsive Disorder. *Biological Psychiatry*, 39:733-738.  
**IF: 8.926** - Rank: 13/231 (Neurosciences), 4/117 (Psychiatry)
7. **Hendler T.**, Iancu I. & Grunhaus L. (1996). The involvement of cytochrome P450 in psychiatry. *Harefuah*,131;(7-8):264-269.
8. Sasson Y., Zohar J., Chopra M., Lustig M., Iancu I. & **Hendler T.** (1997). Epidemiology of Obsessive-Compulsive Disorder: A World View. *Journal of Clinical Psychiatry*, 58(suppl. 12):7-10.  
**IF: 5.218** – Rank: 11/117 (Psychiatry)
9. **Hendler T.**, Gross R., Goshen E., Faivel M., Hirschman S., Zwas ST., Grunhaus L., Zohar J. (1997). Brain imaging and its clinical application in psychiatry. *Harefuah*, 133(9); 337-342.

10. Weiser M., **Hendler T.**, Prohovnik I. & Davidson M. (1998). Diagnostic yield of brain CT in a limited-access environment. *International Journal of Psychiatry in Clinical Practice*, 2;(4):279-282.  
**IF: 0.5** – Rank: 10/117 (Psychiatry)
11. Grill-Spector K., Kushnir T., **Hendler T.**, Edelman S., Itzhak Y., Malach R. (1998). A sequence of object processing stages revealed by fMRI in the human occipital lobe. *Human Brain Mapping*, 6:316-328, 1998.  
**IF: 6.256** – Rank: 1/13 (Neuroimaging), 21/231 (Neurosciences), 3/104 (Radiology, Nuclear Medicine & Medical Imaging)
12. Stern L., Zohar J., **Hendler T.**, Ianco I., Sasson Y. (1998). The potential role of 5-HT<sub>1D</sub> receptors in the pathophysiology and treatment of obsessive-compulsive disorder. *CNS Spectrums*, 3(8):46-49.  
**IF: 2.197** – Rank: 85/167 (Clinical Neurology), 61/117 (Psychiatry)
13. **Hendler T.**, Goshen E., Tadmor R., Lustig M., Zwas ST, Zohar J. (1999). Evidence for striatal modulation in the presence of fixed cortical injury in obsessive-compulsive disorder (OCD). *European Neuropsychopharmacology*, 9;(5): 371-376.  
**IF: 3.684** – Rank: 30/167 (Clinical Neurology), 72/231 (Neurosciences), 48/237 (Pharmacology & Pharmacy), 30/117 (Psychiatry)
14. Rauch S.L., Benkelfat C., Dager S.R., Greenberg B.D., **Hendler T.**, Hollander E., Laruelle M., Rosenberg D.R, Saxena S., Zohar J. & Baxter L.R. Jr. (1999) Neuroimaging research and neurocircuitry models of Obsessive-Compulsive Disorder. Proceedings of the Third IOCDC Academic Supplement Monograph: *CNS Spectrums: International Journal of Neuropsychiatric Medicine* 4;(5) Suppl. 3:25-34.
15. Grill-Spector K., Kushnir T., **Hendler T.** & Malach R. (2000). The dynamics of object-selective activation correlate with recognition performance in humans. *Nature Neuroscience*, 3(8):837-843.  
**IF: 14.345** – Rank: 5/231 (Neurosciences)
16. Rotshtein P., Malach R., Hadar U., Graif M., & **Hendler T.** (2001). Feeling or Features: Different sensitivity to emotion in high-order visual cortex and amygdala. *Neuron*, 32: 747-757  
**IF: 13.26** – Rank: 6/231 (Neurosciences)
17. Hasson U., **Hendler T.**, Ben-Bashat D. & Malach R. (2001). Vase or Face? A neural correlate of shape-selective grouping processes in the human brain. *Journal of Cognitive Neuroscience*, 13(6): 744–753.  
**IF: 5.382** – Rank: 32/231 (Neurosciences)

18. Levy I., Hasson U., Avidan G., **Hendler T.** & Malach R. (2001). Center-periphery organization of human object areas. *Nature Neuroscience*, 4(5): 533-9.  
**IF: 14.345** – Rank: 5/231 (Neurosciences)
19. Amedi A., Malach R., **Hendler T.**, Peled S. & Zohary E. (2001). Visuo-haptic object-related activation in the ventral visual pathway. *Nature Neuroscience*, 4(3):324-30.  
**IF: 14.345** – Rank: 5/231 (Neurosciences)
20. Lerner Y., **Hendler T.**, Ben-Bashat D., Harel M. & Malach R. (2001). A hierarchical axis of object processing stages in the human visual cortex. *Cerebral Cortex*, 11(4):287-97.  
**IF: 6.979** – Rank: 19/231 (Neurosciences)
21. Assaf Y., Ben-Bashat D., Chapman J., Peled S., Biton IE., Kafri M., Segev Y., **Hendler T.**, Korczyn AD., Graif M. & Cohen Y. (2002). High b-value q-space analyzed diffusion-weighted MRI: application to multiple sclerosis. *Magnetic Resonance in Medicine*, 47:115-126.  
**IF: 3.225** – Rank: 17/104 (Radiology, Nuclear medicine & Medical imaging)
22. Lerner Y., **Hendler T.** & Malach R. (2002). Object-completion effects in the human lateral occipital complex. *Cerebral Cortex*, 12:163-177, 2002.  
**IF: 6.979** – Rank: 19/231 (Neurosciences)
23. Hasson U, Levy I., Behrmann M., **Hendler T.**, & Malach R. (2002). Eccentricity Bias as an Organizing Principle for Human High-Order Object Areas. *Neuron*, 34:479-490.  
**IF: 13.26** – Rank: 6/231 (Neurosciences)
24. Kahn I., Yeshurun H., Rotshtein P., Fried I. & **Hendler T.** (2002). The role of the amygdala in signaling prospective outcome of choice. *Neuron*, 33:983-994.  
**IF: 13.26** – Rank: 6/231 (Neurosciences)
25. **Hendler T.**, Rotshtein P. & Hadar U. (2002). Emotion-perception interplay in the visual cortex: "The eyes follow the heart". *Cellular & Molecular Neurobiology*. 21(6):733-752.  
**IF: 2.107** – Rank: 117/162 (Cell Biology), 157/231 (Neurosciences)
26. Avidan G., Harel M., **Hendler T.**, Zohary E., and Malach R. (2002). Contrast sensitivity in human visual areas and its relationship to object recognition. *Journal of Neurophysiology*, 87:3102-3116.  
**IF: 3.483** – Rank: 84/231 (Neurosciences), 22/75 (Physiology)

27. Assaf Y., Mayzel-Oreg O., Gigi A., Ben-Bashat D., Mordohovitch M., Verchovsky R., Reider-Groswasser I., **Hendler T.**, Graif M., Cohen Y., Korczyn AD. (2002). High B value Q-space analyzed diffusion MRI vascular dementia: a preliminary study. *Journal of Neurological Sciences*, 203-4(C):235-9.  
**IF: 2.324** – Rank: 78/167 (Clinical Neurology), 140/231 (Neurosciences)
28. Amedi A., Jacobson G., **Hendler T.**, Malach R., Zohary E. (2002). Convergence of visual and tactile shape processing in the human lateral occipital complex. *Cerebral Cortex*, 12(11):1202-12.  
**IF: 6.979** – Rank: 19/231 (Neurosciences)
29. Avidan G., Harel M., **Hendler T.**, Zohary E., Malach R. (2002). Analysis of the neuronal selectivity underlying low fMRI signals. *Current Biology*, 12(12):964-72.  
**IF: 10.992** – Rank: 15/238 (Biochemistry & Molecular Biology)
30. Avidan G., Levy I., **Hendler T.**, Zohary E., & Malach R. (2003). Spatial vs. object specific attention in high-order visual areas. *NeuroImage* 19:308-318.  
**IF: 5.739** – Rank: 2/13 (Neuroimaging), 27/231 (Neurosciences), 4/104 (Radiology, Nuclear medicine & Medical imaging)
31. **Hendler T.**, Rotshtein P., Yeshurun Y., Weizman T., Kahn I., Ben-Bashat D., Malach R., & Bleich A. (2003). Sensing the invisible: Differential sensitivity of visual cortex and amygdala to traumatic context. *NeuroImage*, 19:587-600.  
**IF: 5.739** – Rank: 2/13 (Neuroimaging), 27/231 (Neurosciences), 4/104 (Radiology, Nuclear medicine & Medical imaging)
32. Ben Shachar M., **Hendler T.**, Kahn I., Ben Bashat D., Grodzinsky Y. (2003). The Neural reality of syntactic transformations: evidence from fMRI. *Psychological Science*, 14(5):433-440.  
**IF: 5.09** – Rank : 6/111 (Psychology, Multidisciplinary)
33. **Hendler T.**, Goshen E., Zwas ST., Sasson Y., Gal G., & Zohar J. (2003). Brain reactivity to specific symptom provocation probes prospective responders to sertraline treatment in OCD. *Psychiatry Research: Neuroimaging*, 124:87-103.  
**IF: 3.435** – Rank: 41/167 (Clinical Neurology), 3/13 (Neuroimaging), 36/117
34. **Hendler T.**, Pianka P., Sigal M., Kafri M., Ben-Bashat D., Constantini S., Graif M., Fried I., & Assaf Y. (2003). Delineating gray and white matter involvement in brain lesions: 3D alignment of fMRI and DTI. *Journal of Neurosurgery*, 99:1018-1027.  
**IF: 2.594** – Rank: 63/167 ((Clinical Neurology), 33/167 (Surgery))

35. Lerner Y., Pianka P., Azmon B., Leiba H., Stolovitch C., Loewenstein A., Harel M., **Hendler T.**, Malach R. (2003). Area-specific amblyopic effects in human occipito-temporal object representations. *Neuron*, 40:1023-29, 2003.  
**IF: 13.26** – Rank: 6/231 (Neurosciences)
36. Assaf Y., Pianka P., Rotshtein P., Sigal M., & **Hendler T.** (2003). Deviation of fiber tracts in the vicinity of brain lesions: Evaluation by Diffusion Tensor Imaging. *Israel Journal of Chemistry*, 43:155-163.  
**IF: 0.547** – Rank: 110/140 (Chemistry, Multidisciplinary)
37. Mukamel R., Harel M., **Hendler T.**, & Malach R. (2004). Enhanced temporal non-linearities in human object-related occipito-temporal cortex. *Cerebral Cortex*, 14: 575-585.  
**IF: 6.979** – Rank: 19/231 (Neurosciences)
38. Holroyd T., **Hendler T.**, Eapen M., and Ungerleider L. Probing awareness by regional neural – coupling based on linearly independent beamformer projection of MEG data. BIOMEG, Boston, 2004 Proceedings of the American Society for Neuromagnetism
39. Mashal N., Faust M., **Hendler T.** (2005). The role of the right hemisphere in processing nonsalient metaphorical meanings: Application of Principal Components Analysis to fMRI data. *Neuropsychologia*, 43 (14): 2084-2100.  
**IF: 4.345** – Rank: 6/49 (Behavioral Sciences), 49/231 (Neurosciences)
40. Cohen-Kadosh R., Henik A., Rubinsten O., Mohar H., Dori H., Van de Ven V., Zorzi M., **Hendler T.**, Goebel R., Linden D. (2005). Are numbers special? The comparison systems of the human brain investigated by fMRI. *Neuropsychologia*, 43 (9): 1238-1248, 2005.  
**IF: 4.345** – Rank: 6/49 (Behavioral Sciences), 49/231 (Neurosciences)
41. Assaf Y., Chapman J., Ben-Bashat D., **Hendler T.**, Segev Y., Korczyn AD., Graif M., Cohen Y. (2005). White matter changes in multiple sclerosis: correlation of q-space diffusion MRI and 1H MRS. *Magnetic Resonance Imaging*, 23 (6): 703-710.  
**IF: 2.026** – Rank: 43/104 (Radiology, Nuclear Medicine & Medical Imaging)
42. Neufeld A., Assaf Y., Graif M., **Hendler T.**, Navon G. (2005). Susceptibility-matched envelope for the correction of EPI artifacts. *Magnetic Resonance Imaging*, 23 (9): 947-951.  
**IF: 2.026** – Rank: 43/104 (Radiology, Nuclear Medicine & Medical Imaging)
43. Ben Bashat D., Ben Sira L., Graif M., Pianka P., **Hendler T.**, Cohen Y., Assaf Y. (2005). Normal White Matter Development from Infancy to Adulthood: Comparing Diffusion Tensor and High b Value Diffusion Weighted MR Images. *Journal of Magnetic Resonance Imaging*, 21 (5): 503-511.  
**IF: 2.770** – Rank: 27/104 (Radiology, Nuclear Medicine & Medical Imaging)

44. Schonberg T., Pianka P., **Hendler T.**, Pasternak O., & Assaf Y. (2006). Characterization of displaced white matter by brain tumors using combined DTI and fMRI. *Neuroimage*, 30(4):1100-11.  
**IF: 5.739** – Rank: 2/13 (Neuroimaging), 27/231 (Neurosciences), 4/104 (Radiology, Nuclear medicine & Medical imaging)
45. Bleich-Cohen, M., Mintz M., Pianka P., Andelman F., Rotshtein P., & **Hendler T.** (2006). Differential stimuli and task effects in the amygdala and sensory areas. *NeuroReport*, 17 (13): 1391-1395.  
**IF: 1.805** – Rank: 172/231 (Neurosciences).
46. Lerner Y., **Hendler T.\***, Malach R., Harel M., Leiba H., Stolovitch C., Pianka P. (2006). Selective fovea-related deprived activation in retinotopic and high-order visual cortex of human amblyopes. *NeuroImage*, 33(1): 169-179. \* equal contributor  
**IF: 5.739** – Rank: 2/13 (Neuroimaging), 27/231 (Neurosciences), 4/104 (Radiology, Nuclear medicine & Medical imaging)
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59. Kesler, A., Assaf, Y., **Hendler T.**, Loewenstein A., Graif M., Cohen Y., Pianka P. (2003). Advanced Neuroimaging in Idiopathic Intracranial Hypertension (IIH). ARVO Annual Meeting, Fort Lauderdale, Florida, USA
60. Pianka P., Lerner Y., Leiba H., Azmon B., Stolovitch H., Loewenstein A., Malach R., **Hendler T.** (2002) Visual Deficits Associated with Object and Face Images Revealed by Functional MRI in Human Amblyopia. 11th Annual Meeting of the Israel Society for Neuroscience, Eilat, Israel.
61. Pianka P., Lerner Y., Leiba H., Azmon B., Stolovitch H., Loewenstein A., Malach R., **Hendler T.** (2003) Visual Deficits Associated with Object and Face Images Revealed by Functional MRI in Human Amblyopia. Israel Society for Vision and Eye Research, Neve Ilan, Israel.

62. Pianka P., Lerner Y., Leiba H., Azmon B., Stolovitch H., Loewenstein A., Malach R., **Hendler T.** (2003) Visual Deficits Associated with Object and Face Images Revealed by Functional MRI in Human Amblyopia. ARVO Annual Meeting, Fort Lauderdale, Florida, USA.
63. Bleich M., Mintz M., Pianka P., Schweiger A., Rotshtein P., Andelman F., **Hendler T.** (2003). Brain representation of the “gap” between stimulus and feeling. 10th Annual Meeting of the Cognitive Neuroscience Society, New York, USA.
64. Bleich M., Mintz M., Pianka P., Schweiger A., Rotshtein P., Andelman F., **Hendler T.** (2003). Brain representation of the “gap” between stimulus and feeling. 11th Congress of the Israel Psychiatric Association, Haifa, Israel.
65. Cohen K., Henik A., Rubinstein O., Dori H., Bloch-David Y., Mohr H., van de Ven Vincent., Zorzi M., **Hendler T.**, Linden D. (2003). Are numbers special? A common system for numerical and physical comparisons in the parietal lobes. 10th Annual Meeting of the Cognitive Neuroscience Society, New York, USA.
66. Amedi A., Raz N., Pianka P., **Hendler T.**, Malach R., Zohary E. (2003). High-level and sensory independent activation of the human early “visual” cortex in the congenitally blind. 10th Annual Meeting of the Cognitive Neuroscience Society, New York, USA.
67. Ben-Shachar M., **Hendler T.**, Palti D., Grodzinsky Y. (2003). Linguistically defined generalizations in neuroimaging of sentence processing. 10th Annual Meeting of the Cognitive Neuroscience Society, New York, USA.
68. Raz N., Amedi A., Pianka P., **Hendler T.**, Malach R., Ahissar M., Zohary E. (2003). Verbal memory related fMRI activation in the occipital cortex of the blind. 10th Annual Meeting of the Cognitive Neuroscience Society, New York, USA.
69. Assaf M., Palti D., Ben-Shachar M., **Hendler T.**, Leitner Y. (2003) Cerebellar Representation of Linguistic Processing: Task and Modality Effects. Annual Meeting of the Organization for Human Brain Mapping, NYC, USA.
70. **Hendler T.**, Pessoa L., Salajegheh A., Poeppel D., Ungerleider LG (2003). The time course of emotional modulation of face-related neuronal activity: a preliminary MEG study. Annual Meeting of the Organization for Human Brain Mapping, NYC, USA.
71. **Hendler T.**, Pianka P., Sigal M., Kafri M., Fried I., Graif M., Assaf Y. (2003). Indicating Functionality in Vicinity of Brain Lesions: Combined 3D

- Mapping by fMRI & DTI. Annual Meeting of the Organization for Human Brain Mapping, NYC, USA.
72. Kafri M., Cohen Y., Bova I., Pianka P., Borenstein N., Ben -Bashat D., Graif M., **Hendler T.**, Assaf Y. (2003). High b value Diffusion Imaging in Stroke. Annual Meeting of the Organization for Human Brain Mapping, NYC, USA.
  73. Palti D., **Hendler T.**, Hadar U. (2003). The involvement of semantic factors in grammatical gender retrieval: an fMRI study in Hebrew. Annual Meeting of the Organization for Human Brain Mapping, NYC, USA.
  74. **Hendler T.**, Holroyd T., Eapen M., Ungerleider L. (2004). Emotion and Subjective Perceptual Experience: Differential Regional Distribution of Neuronal Temporal Pattern. 11th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, USA.
  75. Assaf M., Johnson MR., Kahn I., Yeshurun Y., **Hendler T.**, Pearlson GD. (2004). Mind Games, Emotions and Decision Making: A Functional MRI Study. 11th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, USA.
  76. **Hendler T.**, Holroyd T., Japee S., Eapen M., Ungerleider L.G. (2004). Coupling of medial and inferior temporal activation mediates the percept of fearful faces during binocular rivalry: A high density MEG study. 34th Annual Meeting of Society for Neuroscience, San Diego, USA.
  77. Ganor O., Eldar E., Dudai Y., Bleich A., **Hendler T.** (2004). That obscure object of feeling": Neural correlates of intentionality in emotional Experience. 34th Annual Meeting of Society for Neuroscience, San Diego, USA.
  78. Ganor O., Eldar E., Dudai Y., Bleich A., **Hendler T.** (2004). That obscure object of feeling": Neural correlates of intentionality in emotional Experience. 13th Annual Meeting of Israel Society for Neuroscience, Eilat, Israel.
  79. Eran E., Ganor O., Bleich A., Pianka P., **Hendler T.** (2004). Concept and Percept in Emotion Processing: a cross -modal fMRI Study. 34th Annual Meeting of Society for Neuroscience, San Diego, USA.
  80. Eran E., Ganor O., Bleich A., Pianka P., **Hendler T.** (2004). Concept and Percept in Emotion Processing: a cross -modal fMRI Study. 13th Annual Meeting of Israel Society for Neuroscience Eilat, Israel.
  81. **Hendler T.**, Holroyd T., Japee S., Eapen M., Ungerleider L.G. (2004). Behind the Veil of Fearful Face: Large scale Neural Integration in MEG and fMRI. 13th Annual Meeting of Israel Society for Neuroscience Eilat, Israel.
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82. Luo Q., Holroyd T., **Hendler T.**, Blair J. (2005). Moving From One State to Another : Dynamics of Event-related Desynchronization for Cognitive State Transition, BIOMEG.
83. Holroyd T., **Hendler T.**, Eapen M., Ungerleider L. (2004). Probing awareness by regional neural –coupling based on linearly independent beamformer projection of MEG data. *Proceedings BIOMEG*, Boston, USA.
84. Luo Q., Holroyd T., Jones M., **Hendler T.**, Blair J. (2005). Different spatiotemporal profiles for processing faces with fear, anger and neutral expressions —a MEG/SAM study. The 35th Annual Meeting of the Society for Neuroscience, Washington DC, USA.
85. Luo Q., Holroyd T., Jones M., **Hendler T.**, Blair J. (2006). The fast subcortical route for fear but not for anger—evidence from gamma band synchronization using MEG/SAM. Annual Conference for Cognitive Neuroscience Society, San Francisco, CA, USA.
86. Rapson A., Baruchi I., Ben Jacob E., Kafri M., Assaf Y., **Hendler T.** (2006). Undrelining cortical features of hand movements: functional holography approach. The annual meeting of the Organization for Human Brain Mapping, Florence, Italy.
87. Siman-Tov T., Mendelsohn A., Schonberg T., Perry D., Pessoa L., Ungerleider LG., **Hendler T.** (2006). Mind your Left: Superiority of left visual field presentation in amygdala response to fearful faces. The annual meeting of the Organization for Human Brain Mapping, Florence, Italy.
88. Intrator N., Zhdanov A., Ungerleider L., **Hendler T.** (2006). Indication of different patterns of MEG based cooperative activity during unstable and distinct perceptual states. The annual meeting of the Organization for Human Brain Mapping, Florence, Italy.
89. **Hendler T.**, Zinger N., Ungerleider L., Grillon C. (2007). Aware and unaware mechanisms for anxiety related threat bias: insights from binocular rivalry. Annual Meeting of the Cognitive Neuroscience Society, NYC, USA.
90. Zhdanov A., Ungerleider L., Intrator N., **Hendler T.** (2007). Inferring individual perceptual experience from MEG signals: machine learning based computational approach. The annual meeting of the Organization for Human Brain Mapping, Chicago, USA.
91. Lerner Y., Zhdanov A., Papo D., **Hendler T.** (2007). Eyes wide shut: closing-eyes facilitates the neural processing of emotional experience with music.

- The annual meeting of the Organization for Human Brain Mapping, Chicago, USA.
92. Gruberger M., **Hendler T.**, Harel E.V., Harari H., Levkovitz Y., Zangen A. (2008). Restless minds – A relation between rest and the self in the brain - A deep-TMS study. 14th Annual Meeting of Organization for Human Brain Mapping. Melbourne, Australia.
  93. Okon-Singer H., Podlipsky I., Zhdanov A., Ben-Simon E., **Hendler T.** (2008). Temporo-Spatial Characterization of Hemispheric Functional Dominance: A Combined EEG/fMRI Study. 17th Annual Meeting of the Israel Society for Neuroscience. Eilat, Israel.
  94. Gruberger M., **Hendler T.**, Harel E.V., Harari H., Zangen A., Levkovitz Y. (2008). The restless mind – A relation between rest and the self in the brain - A deep-TMS study - Presentation of preliminary results. 12th Annual Meeting of the Israel Society for Biological Psychiatry. Kfar Giladi, Israel.
  95. Gruberger M., **Hendler T.**, Harel E.V., Harari H., Levkovitz Y., Zangen A. (2008). A relation between 'default' activity and the self in the brain - a deep-TMS study. Neuroscience Meeting Planner: Society for Neuroscience. Washington, DC, USA.
  96. Admon R., Stern O., Rozenberg K., Lubin G., **Hendler T.** (2008). State or Trait? The effect of stressful experience on brain activation correlates with neuroticism. Annual Science Meeting of the Israel Society for Biological Psychiatry. Kfar-Giladi, Israel.
  97. Admon R., Stern O., Rozenberg K., Lubin G., **Hendler T.** (2008) State or Trait? The effect of stressful experience on brain activation correlates with neuroticism. 14th meeting of the Human Brain Mapping organization, Melbourne, Australia.
  98. Admon R., Stern O., Rozenberg K., Lubin G., **Hendler T.** (2008) Neural correlates of the individual response to stress: Untangling Cause from Consequence. 38th Annual Meeting of the Society for Neuroscience, Washington, USA.
  99. Ben-Simon E., Podlipsky I., Arieli A., Zhdanov AZ., **Hendler T.** (2008). Never Resting Brain: Simultaneous representation of two alpha related processes in humans. 14th Annual Meeting of Organization for Human Brain Mapping. Melbourne, Australia.
  100. Elkana O., Frost R., Kramer U., Ben-Bashat D., **Hendler T.**, Schmidt D., Schweiger A. (2008). Hemispheric lateralization following recovery from

childhood insult depends on age at onset: Longitudinal fMRI data.  
Conference of the International Neuropsychological Society, Hawaii, USA.

**Last Promotion**-----

101. Gruberger M., Abramowitz EG., Finberg Y., Pasternak Y., Abraham E., Sheinberg E., **Hendler T.** (2009) Recall of traumatic experience under hypnosis in PTSD: A dynamic view into a troubled brain. 18th Annual Meeting of the Israel Society for Neuroscience, Eilat, Israel.
102. Gruberger M., **Hendler T.**, Harel EV., Harari H., Levkovitz Y., Zangen A. (2009). A critical role for 'default-mode' pre-frontal activity in the feeling of 'self' - a deep-TMS study. Annual Meeting of Israeli Society for Biological Psychiatry, Hagoshrim, Israel.
103. Admon R., Lubin G., Stern O., Rozenberg K., Sela L., Ben-Ami H., Blaich-Cohen M., Zaretsky M., **Hendler T.** Stress Related Sub-Cortical Plasticity with Regard to Reward and Punishment. Annual Meeting of the Israel Society for Neuroscience, Eilat, Israel.
104. Ben-Simon E., Podlipsky I., Arieli A., Zhdanov A., **Hendler T.** (2009). Never Resting Brain: Simultaneous representation of two alpha related processes in humans. The 13th Annual Meeting of the Israeli Society for Biological Psychiatry, Hagoshrim, Israel.
105. Elkana O., Frost R., Kramer U., Ben-Bashat D., **Hendler T.**, Schmidt D., Schweiger A. (2009). The use of fMRI to explore linguistic brain reorganization following cerebral vascular accident (CVA). The 45th Annual Meeting of the Israeli Speech Hearing and Language Association. Tel Aviv, Israel.
106. Ben-Simon E., Podlipsky I., Okon-Singer H., **Hendler T.** (2009). The dark side of the alpha rhythm: An EEG/fMRI study. 18th Annual Meeting of the Israel Society for Neuroscience, Eilat, Israel.  
  
J Mol Neurosci 39 (Suppl 1):S16 (2009)
107. Okon-Singer H., Podlipsky I., Zhdanov A., Ben-Simon E., **Hendler T.** (2009). Temporo-Spatial Characterization of Hemispheric Functional Dominance: A Combined EEG/fMRI Study. 15th Annual Meeting of Organization for Human Brain Mapping, San-Francisco, USA.
108. Admon R., Lubin G., Jamsky S., Stern O., Kahn I., Assaf M., Intrator N., **Hendler T.** (2010). The harmful effect of stress is predicted by the amygdala and reflected by the Nacc. Annual Meeting of the Israel Society for Biological Psychiatry, Hagoshrim, Israel.

109. Gruberger M., **Hendler T.**, Harel EV., Harari H., Levkovitz Y., Zangen A. (2010). I Think Therefore I Am: Alterations in the Sense of Self by Stimulation of the Prefrontal Cortex. Towards a Science of Consciousness conference, Tucson, Arizona, USA.
110. Gruberger M., Ben-Simon Eti, Zangen A., Levkovitz Y. **Hendler T.** (2010). Spontaneous brain activity and human consciousness: current models & EEG-fMRI findings. Annual Meeting of the Israel Society for Biological Psychiatry, Hagoshrim, Israel
111. Gruberger M., Abramowitz EG., Finberg Y., Pasternak Y., Abraham E., Sheinberg E. and **Hendler T.** (2010). Recall of traumatic experience under hypnosis in PTSD: A dynamic view into a troubled brain. Annual Meeting of the Israel Society for Biological Psychiatry, Hagoshrim, Israel
112. Ben-Simon E., Gruberger M., Zangen A., **Hendler T.** (2010). Experimenting with Endogenous Experience: fMRI, EEG and TMS in search of the functionality of the default-network. Towards a science of consciousness conference, Tucson, Arizona, USA.
113. Ben-Simon E., Gruberger M., Zangen A., evkovitz YL, **Hendler T.** (2010). Spontaneous brain activity and human consciousness current models & EEG – fMRI findings. The 14th Annual Meeting of the Israel Society for Biological Psychiatry, Hagoshrim, Israel.
114. Ben-Simon E., Podlipsky I., Okon-Singer H., **Hendler T.** (2010). The dark side of the alpha rhythm: evidence of attention related modulation in the alpha band. 19th Annual Meeting of the Israel Society for Neuroscience, Eilat, Israel.
115. Podlipsky I., Zhdanov A., Ben-Simon E., **Hendler T.**, Intrator N. (2010) Prediction of Brain State from EEG. 16th Annual Meeting of Organization for Human Brain Mapping, Barcelona, Spain.
116. Haiman, G., Miller, A., Podilipsky, I., **Hendler T.** Towards a neural marking of cognitive fatigue in MS: Combined fMRI-EEG approach (2010). 26th Congress of the European Committee for Treatment and Research in Multiple Sclerosis and the 15th Annual Conference of Rehabilitation in MS (ECTRIMS). Gothenburg, Sweden.
117. Gonen T., Admon R., Podlipsky I., Kahn I., **Hendler T.** (2010) Neural representations of the human sensitivity to reinforcement cues: insights along an animal model. The 19th Annual Meeting of the Israel Society for Neuroscience, Eilat, Israel.

118. Abecasis D., Granot R., Singer N., Brochard R. **Hendler T.** (2011) Evidence for the temporal organization of auditory sequences in motor-related regions: an intracranial EEG case study. The Neurosciences and Music-IV, Edinburgh, Scotland, UK.
119. Artzi M. Aizenstein O., **Hendler T.**, Ben Bashat D. (2011) Dynamic susceptibility contrast imaging study of the healthy brain using multiparametric classification. International Society for Magnetic Resonance in Medicine, Montreal, Quebec, Canada.
120. Artzi M. Aizenstein O., Abramovitch R., **Hendler T.**, Ben Bashat D.(2011) multiparametric classification of hyperoxia challenge and dynamic susceptibility contrast maps: study of the healthy brain. International Society for Magnetic Resonance in Medicine, Montreal, Quebec, Canada
121. Gonen T., Admon R., Podlipsky I., Kahn I., **Hendler T.** (2011). From Animal Model to Human Brain Networking: Dynamic Causal Modeling of Motivation System Activation. The 17th Annual Meeting of the Organization for Human Brain Mapping, Quebec, Canada. <Accepted>
122. Gonen T., Admon R., Podlipsky I., Kahn I., **Hendler T.** (2011). From Animal Model to Human Brain Networking: Dynamic Causal Modeling of Motivation System Activation. The 15th Annual Meeting of the Israeli Society for Biological Psychiatry, Hagoshrim, Israel.
123. Lin T., Vaisvaser S., Admon R., Pine D., Charney D., Wald I., Bar-Haim Y., **Hendler T.** (2011). Anxiety related threat bias corresponds to amygdala responsiveness. The 15th Annual Meeting of the Israeli Society for Biological Psychiatry, Hagoshrim Kibbutz, Israel.
124. Singer N., Abecassis D., Pasternak E., Jacobi N., Granot R.Y., **Hendler T.** (2011). Multiple Neural Networks Depicted by Continuous Measurement of the Musical Emotional Experience.
125. Maron-Katz A., Amar D., Ben Simon E., Jacob Y.Rosenberg K., Karp R.M., **Hendler T.**, Shamir R.(2011). Using Contiguous Bi-Clustering for data driven temporal analysis of fMRI based functional connectivity. INCF Neuroinformatics, Boston.
126. Shapira-Lichter I., Vakil E., Oren N., Glikmann-Johnston Y., Litinsky I., Caspi D., **Hendler T.**, Paran D. (2011) Altered neuro-behavioral signature of free recall in SLE. The 15th Annual Meeting of the Israeli Society for Biological Psychiatry, Hagoshrim Kibbutz, Israel.
127. Kinreich S., Podlipsky I., Intrator N., **Hendler T.** (2011) Deep brain modulations guided by EEG-feedback can be probed by simultaneous

fMRI. The 17th Annual Meeting of the Organization for Human Brain Mapping, Québec City, Canada.

128. Singer N., Podlipsky I., Esposito F, Jamsky S., Neufeld M., Intrator N, Fried I, **Hendler T.** Neural correlates of emotional intentions: combined icEEG and fMRI study, *presented at the International Conference On Cognitive Neuroscience (ICON)-XI, Palma, 2011*, won the best poster award
129. Keynan, J.N., Cohen, A., Gilam, G., Meir-Hasson, Y., Jackont G. Kinreich, S. Etkin, A., ... & **Hendler, T.** (2014, May). Modulation of Deep Brain Activity and Improved Emotion Regulation via fMRI\EEG NeuroFeedback. Poster session presented at: *the Society of Biological Psychiatry 69<sup>th</sup> Annual Meeting*, New York, NY.

## LECTURES

### Invited Scientific Meeting Lectures (selected)

- Clinical and Research Applications of MRI in Psychiatry. 2nd Annual Meeting Workshop of the Israel Society of Biological Psychiatry Kefar-Giladi, March 1995.
- The Application of Brain Imaging in the Evaluation of Psychiatric Disturbances. Head Trauma. Meeting on "Head Trauma and Brain Imaging", Sheba Medical Center, June 1997.
- Functional brain imaging in psychiatry-update. 4th Annual Meeting of the Israel Society of Biological Psychiatry, Kefar-Giladi, March 1997.
- Clinical Implication of brain imaging in OCD. 10th European College of Neuropsychopharmacology, Vienna, September 1997.
- Serotonin related brain activity in OCD. International OCD Conference, Guadeloupe, 1997.
- Challenge paradigms probe into brain circuit in OCD. International OCD Conference, Madeira, Portugal September 1998.
- Brain imaging as a tool to predict treatment response in OCD. European College of Neuropsychopharmacology Annual Science Meeting, Paris, September 1998.
- Sequence processing in motor and language function. 1st meeting of the Israeli Society of Neuropsychology, Jerusalem, June 1999.
- Emotional modulation of information processing. Israeli Society of Biological Psychiatry, special seminar on "Imaging into the Mind", Tel-Aviv, January 2000.

- Possible neuropsychiatric application of fMRI. Annual Meeting of the Israeli Society for NMR, Tel-Aviv University, March 2000.
- Emotional modulation of visual processing. Seminar on brain imaging of visual processing, held by the Adams' Super Center for Brain Studies, Tel-Aviv University, January 2000,.
- fMRI in vicinity of brain tumor. Cancer Society, International seminar on Brain Tumors: current perspectives in diagnosis and treatment, Tel Aviv. March 2001.
- Physiological and methodological aspects of fMRI; relevance to neuropsychiatry, 6th Annual Meeting Workshop of the Israel Society for Biological Psychiatry, Kefar Giladi, March 2001.
- Peri-surgical Brain Mapping. Israel Society for Neuropsychology (organization and lecture), 2002, Tel Aviv.
- From recollections to feelings. The Mind's Eye: Neural correlates of subjective perception. Adams' Super Center for Brain Studies, Tel-Aviv University, May 2002.
- Psychobiology of Emotions, Conceptual and Methodological Advances. Center for Interdisciplinary Research of Emotions/Center for Research of Brain and Behavior, University of Haifa, May 2002.
- Neuronal Sensitivity to Negative Emotional Context: Effect of Experience. NATO Advanced Research Workshop "Psychiatric NeuroImaging", Chiavari, Italy, 2002.
- Brain sensitivity to negative emotional challenge 17th ECNP Congress Stockholm, 2004.
- Clinical application of DTI Mideaternain Imaging Society, Athens, 2005.
- Brain Mapping of the Human Emotional Experience, Special guest lecture. Radiology Society, Eilat, 2005, Tel Aviv, 2006.
- Brain Mapping of the Human Emotional Experience, Medex, A symposia on social cognition in schizophrenia, Tel Aviv, 2006.
- Face Processing in First Episode Schizophrenia. Annual meeting of the society for Biological Psychiatry, San Diego, May 2007.
- Inferring brain system mechanisms from stimulus- and state related functional connectivity MRI of Brain Connectivity and Microstructure International Workshop, Dead Sea, November 2007.

- Inferring space from time in brain mapping: combined EEG/fMRI. Special session on Neuroimaging, 30th anniversary of the GIF. Maale-Ha'hamisha, Jerusalem, December 2008.
- Music, Emotion and the Brain. Session in the annual meeting of the institute for complexity, Jerusalem, 2008.
- Face related attributes: the case of emotion. Speaker in a symposium on face processing. Annual meeting of the Israel society for neuroscience, Eilat, December 2008.
- Brain manifestations of military stress. Keynote speaker in the "Shoresh" biannual meeting on cooperative medical research, IDF-US-army, Baltimore, MD, USA 2008.
- Organizing a workshop: Experimenting with endogenic experience: fMRI, EEG and TMS of the functionality of the default-network. Towards a science of consciousness bi-annual meeting, Tucson, Arizona, April 2010.
- Between threat and desire: prospective examination of stress effect on subcortical functions. 1st trilateral meeting of a German-Palestinian-Israeli research, Ben-Gurion University, May 2010.
- Imbalanced reward and threat systems: brain characterization of stress coping mechanisms. 2<sup>nd</sup> meeting of Psychiatry in the North, Haifa, July 2010.
- Characterizing emotional network dynamics Neural computation, Brain Imaging and psychiatry, Shaar Menashe Mental health Center, December 2011.
- The neural correlates of anger control. The clinical psychologists association meeting, Tel Hashomer, January 2011.
- Portraying sadness at its unfolding: Multi-level dynamics of emotion-related networks. Connect Meeting - MRI of brain micro-structure & connectivity, Tel Aviv, February 2011.
- Brain lateralization for language as revealed by presurgical functional mapping. A workshop on Brain Imaging of Language Functions, Bar-Ilan University, June 2011
- The drama is in the brain: a call for a neurocinematic approach. 2011 Keynote speaker in the 9<sup>th</sup> International Conference of the Society for Cognitive Studies of the Moving Image, Budapest.

- The Brain and I. CIS Coal Summit 2012, The premium coal conference for Russia and the CIS, Moscow, Russia
- 2012 Summer School Film Game Emotion Brain, CREA University of Amsterdam.
- Network probing of emotional dynamics in schizophrenia patients and their healthy siblings. ISFN Nov 2012, Eilat.
- Portraying emotional experience in humans. Emotional All too Emotional, March 2013 Tel Aviv.
- Dynamic Network Patterns in Schizophrenia, Invited symposia in the Human Brain Mapping annual meeting, June 2013, Seattle, Washington, USA.
- Society of Biological Psychiatry, Invited symposia on neurofeedback, May 2015

**Invited Seminar Lectures** (selected from abroad)

- 2003, Facial expression in schizophrenia (Psychology Dep), Indiana University, USA.
- 2003, Face module or modulation in schizophrenia: Institute for the Living, Neuropsychiatric imaging center, Hartford, USA.
- 2004, Brain measures of emotional experience: fMRI and MEG, New York University (Ledoux's Lab), NYC, USA.
- 2004, Clinical applications of DTI. Brain Imaging Center Charite Hospital, Berlin.
- 2007, Emotion in the brain: fMRI and MEG. Children Hospital, Helsinki.
- 2007, Emotional Binocular Rivalry, (Rubin's Lab) Neuroscience Dep, New-York University, NYC, USA.
- 2008, Cause and consequence in stress related brain manifestations Boston U Medical Center, Seminar of the Neuroimaging Unit, Boston MAS, Boston, MA, USA.
- 2008, Brain manifestations of stress: untangling cause from consequence Institute of Living, Hartford, CT, USA.
- 2009, Reward and punishment sensitivity with regard to stress, Group seminar, (Gross's Lab), Psychology Department, Stanford University, CA, USA.

- 2009, Donders institute, The Netherlands, Neural predisposition and plasticity in traumatic stress effect.
- 2009, Emotional music experience, (Hakreen's Lab), Frie Universitate, Berlin, Germany.
- 2011, Neural Correlates of stress. Neurological section Max Plank Institute Leiptizg Neural cause and effect of military stress
- 2011, Neural correlates of cinematic emotions. (Virrlinger's Lab), Mind and Brain Institute, Berlin, Germany.
- 2012, Neural Correlates of Resilience and Vulnerability to Stress. Connecticut Mental Health Center, Yale School of Medicine.
- 2012, Portraying Emotions via Network Cohesion, (Gabrieli's Lab), The McGovern Institue for Brain Research. MIT, Boston, USA.
- 2013, Inside Out ; Internally Generated Emotion (Milad's Lab), Mass General Hospital, Boston, USA
- 2013, Dynamic Network Patterns of empathic domains in schizophrenia (Barret's Lab), Northeastern U, Boston, USA
- 2015, First International Symposium on Resilence Research, Johannes Gutenberg University, Mainz, Germany