

Noa Ofen, Ph.D.

Knapp Building #257 (office) #008 (lab)
87 E. Ferry Street, Detroit, MI 48202
313.664.2643 (office) | 313.664.2646 (lab)
noa.ofen@wayne.edu | ofenlab.wayne.edu

Academic Appointments

Assistant Professor (2011 – present)
Wayne State University, Institute of Gerontology, Merrill Palmer Skillman Institute, Pediatrics

Adjunct Professor, Lecturer (2010)
Northeastern University, Psychology Department

Teaching Fellow (2008 – 2009)
Harvard University, Neurobiology Department

Postdoctoral Associate (2005 – 2011)
Massachusetts Institute of Technology, Department of Brain and Cognitive Sciences

Postdoctoral Fellow (2004 – 2005)
Stanford University, Psychology Department

Education

Ph.D., Weizmann Institute of Science (2004)
Cognitive Neuroscience, Neurobiology (advisors: Yadin Dudai, Avi Karni)

M.Sc., Weizmann Institute of Science (1998)
Cognitive Neuroscience, Neurobiology (advisors: Yadin Dudai, Menahem Segal)

B.A., University of Haifa (1996)
Psychology and Honors Program

Awards and Honors

Science Spot appreciation award, MIT School of Science (2009)

Travel Award, Organization of Human Brain Mapping, Annual Meeting (2006)

Fellowship, RIKEN Brain Science Institute, Summer Lecture Course, Saitama, Japan (2004)

Fellowship, Summer Institute in Cognitive Neuroscience, Lake Tahoe, CA (2003)

Fellowship, Summer Institute in Cognitive Neuroscience, Dartmouth College, NH (2001)

Student Travel Fellowship, Katzir Katchalsky (2001)

Joseph Brainin and Sally Brainin Scholarship (1998 - 2003)

Inez P. and David N. Myers Scholarship (1998 - 2003)

Sylvia and Aaron Scheinfeld Scholarship (1998 - 2003)

Feinberg Graduate School Scholarships (1995 - 1998)

Excellence Scholarships, University of Haifa (1993 - 1995)

Interdisciplinary Honor Program, University of Haifa (1993 - 1995)

Publications

- Yoo, J.J., Hinds, O., **Ofen, N.**, Thompson, T.W., Whitfield-Gabrieli, S., Triantafyllou, C., Gabrieli J.D.E. (2012). When the brain is prepared to learn: Enhancing human learning using real-time fMRI. *Neuroimage*, 59, 846-852.
- Benjamin, C., Lieberman, D.A., Chang, M., **Ofen, N.**, Whitfield-Gabrieli, S., Gabrieli, J.D.E., Gaab, N. (2010) The influence of rest period instructions on the default mode network. *Frontiers in Human Neuroscience* 4, 218:1-9.
- Chai*, X.J., **Ofen***, N., Jacobs, L.F., Gabrieli, J.D.E. (2010). Developmental changes in medial temporal lobe associated with forming complex memories. *Frontiers in Human Neuroscience* 4, 21:1-10. **equal contribution*
- Ofen, N.**, Kao Y-C., Sokol-Hessner, P., Kim, H., Whitfield-Gabrieli, S. & Gabrieli, J.D.E. (2007). Development of the declarative memory system in the human brain. *Nature Neuroscience* 10, 1198-1205.
- Ofen, N.**, Moran, A. & Sagi, D. (2007). Effects of trial repetition in texture discrimination. *Vision Research* 47, 1094-1102.
- Ofen-Noy, N.**, Dudai, Y. & Karni, A. (2003). Skill learning in mirror reading: How repetition determines acquisition. *Brain Res. Cog. Brain Res.* 17, 507-521.

Manuscripts

- Ofen, N.**, Chai, X.J., Schuil, K.D.I., Whitfield-Gabrieli, S. Gabrieli, J.D.E. The development of brain systems for successful memory retrieval of scenes. *revision submitted*
- Ofen, N.**, The development of neural correlates of memory formation. *in revision*
- Ofen, N.**, Gray, M.E., Hutchinson, J.B., Chai, X.J., Mazaika, P., Whitfield-Gabrieli S., & Gabrieli, J.D.E. Lying about past events and personal beliefs. *submitted*

Conference presentations (*Oral)

- Ofen, N.**, Chai, X.J., Mietzsch, C., Gabrieli, J.D.E. (2011). Neurocognitive development of detailed memory formation. Society for Neuroscience Meeting, Washington, DC.
- Chai, X.J., **Ofen, N.**, Mietzsch, C., Gutierrez, E., Gabrieli, J.D.E., Whitfield-Gabrieli, S. (2011). Increased anticorrelation between the default mode and task-positive network regions during development. Society for Neuroscience Meeting, Washington, DC.
- ***Ofen, N.** (2011). The development of memory systems in the human brain. Invited Symposia, Cognitive Development Society Biennial Meeting, Philadelphia, PA
- Chai, X., **Ofen, N.**, Gutierrez, E., Ghosh, S., Gabrieli, J.D.E (2011). White matter maturation in prefrontal cortex contributes to the development of declarative memory, OHBM meeting, Quebec, Canada
- Martin, R.E., Chai, X.J., Patel, S., Morin, K.M., Gabrieli, J.D.E. **Ofen, N.** (2011). Relationships between development, cortical thickness, and memory. CNS annual meeting, San Francisco, CA.
- ***Ofen, N.**, Chai, X.J., Gabrieli, J.D.E. (2011). The development of brain systems supporting objective and subjective for declarative memory. Paper Symposium, Chair and Presenter, Biennial meeting of the Society for Research in Child Development, Montreal, Canada.
- Ofen, N.** Chai, X.J. & Gabrieli, J.D.E. (2010). Memory retrieval limits the contribution of prefrontal cortex to successful encoding, CNS annual meeting, Montreal, Canada.
- Ofen, N.** Chai, X.J. & Gabrieli, J.D.E. (2009). The development of memory retrieval in the brain. Society for Neuroscience Meeting, Chicago, IL.
- Chai, X.J., **Ofen, N.** & Gabrieli, J.D.E. (2009). Developmental changes in the medial temporal lobe for the encoding of high complexity scenes. Society for Neuroscience Meeting, Chicago, IL

- ***Ofen N** (2009). The development of declarative memory systems in the brain. *Frontiers in Human Neuroscience*. Conference Abstract: Conference on Neurocognitive Development. *doi: 10.3389/conf.neuro.09.2009.10.020*
- Schuil, K.D.I., **Ofen, N.**, Chai, X.J., Hedden, T., Whitfield-Gabrieli, S., Glover, G.H. & Gabrieli, J.D.E. (2009). Comparison of estimations of the hemodynamic response function in children adolescents and young adults, OHBM meeting, San Francisco, CA.
- ***Ofen, N.** (2009). The development of brain systems for declarative memory. Biennial meeting of the Society for Research in Child Development, paper symposium, Denver, CO.
- Ofen, N.**, Chai, X.J & Gabrieli, J.D.E. (2009). The development of brain systems for episodic memory retrieval. Cognitive Neuroscience Society Meeting, San Francisco, CA.
- Chai, X.J., **Ofen, N.** & Gabrieli, J.D.E. (2008) Developmental changes in the encoding of indoor versus outdoor scenes. Society for Neuroscience Meeting, Washington, DC.
- *Yoo, J.J., **Ofen, N.**, Hinds, O., Gabrieli S. & Gabrieli, J.D.E. (2008). Predicting Successful Memory Formation using fMRI and Discriminant Analyses. OHBM Meeting, Australia.
- Hinds, O., **Ofen, N.**, Gabrieli, S., Triantafyllou, C., Yoo, J.J., Ghosh, S., Lala, N., Willingham, D. & Gabrieli J.D.E. (2008). Transitions of task-related brain activation during acquisition of a novel perceptual-motor mapping. OHBM Meeting, Australia.
- Ofen, N.**, Chai, X.J., Schuil, K.D.I., Hameed A. & Gabrieli, J.D.E. (2008). The development of brain systems for episodic memory retrieval, Cognitive Neuroscience Society Meeting, San Francisco, CA.
- ***Ofen, N.** & Gabrieli J.D.E. (2007). Development of memory systems in the brain. Israel Society for Neuroscience Meeting, Eilat, Israel.
- ***Ofen, N.**, Whitfield-Gabrieli, S. & Gabrieli J.D.E. (2007). Development of parietal contributions to successful memory encoding. Society for Neuroscience Meeting, San Diego, CA.
- Gaab, N., **Ofen, N.** & Gabrieli J.D.E. (2007). Resting with instructions: Actively ignoring or attending to scanner background noise. Cognitive Neuroscience Society Annual Meeting, NY, NY.
- ***Ofen, N.**, Kim, H., Kao, Y-C., Sokol-Hessner, P. & J.D.E. Gabrieli (2006). Maturation of brain structures supporting successful memory encoding. Society for Neuroscience Meeting, Atlanta, GA.
- Ofen, N.**, Kao, Y-C., Sokol-Hessner, P. & Gabrieli, J.D.E. (2006). Developmental relationship between memory systems underlying successful memory encoding, working memory, source memory and speed of processing. OHBM Meeting, Florence, Italy.
- ***Ofen, N.**, Kao, Y-C. Sokol-Hessner, P. Motsinger, J. & Gabrieli, J.D.E. (2005). Development of memory systems underlying successful memory encoding. ICON9 Meeting, Havana, Cuba.
- Ofen, N.**, Gray, M.E., Mazaika, P., Hutchinson, J.B., Whitfield-Gabrieli, S. & Gabrieli, J.E.D. (2005). Get ready to lie: Neural correlates of deception and its preparation as measured by fMRI. Society for Neuroscience Meeting, Washington, DC.
- ***Ofen, N.**, Dudai, Y. & Karni, A. (2004). Cognitive skill learning: repetition per-se does not determine specificity. Society for Neuroscience Meeting, San Diego, CA.
- Ofen, N.**, Moran, A. & Sagi, D. (2004). Within-session deterioration in texture discrimination. *J Cogn. Neurosci.*, D149, Suppl.
- Ofen-Noy, N.**, Dudai, Y. & Karni, A. (2003). Time in learning: spacing practice sessions across days improve acquisition and transfer performance. *J Cogn. Neurosci.*, B208, Suppl.
- ***Ofen-Noy, N.**, Dudai, Y. & Karni, A. (2002). Time and the learning of a cognitive skill: The spacing of practice sessions across days improves performance. *Neuronal Plasticity*, 9(2), 103.
- Ofen-Noy, N.**, Dudai, Y. & Karni, A. (2001). More practice makes less transfer but no difference to the time course of skill acquisition. *Soc. Neurosci. Abstr.*, 27, 76.8.

Teaching

Wayne State University , Psychology Department, Detroit, MI <i>Lecturer</i> , Cognitive Neuroscience	Planned: Fall 2012
Wayne State University , Translational Neuroscience Program, Detroit, MI <i>Instructor</i> , Imaging, Neurodevelopment and Psychiatric Disorders, PYC-7515	Winter 2012
<i>Guest Instructor</i> , Fundamentals of Neuroimaging, PYC-7140	Winter 2012
Northeastern University , Psychology Department, Boston, MA <i>Adjunct Professor (Lecturer)</i> , Cognition, PSYC-4366	Spring 2010
Harvard University , Faculty of Arts and Sciences, Cambridge, MA <i>Teaching Fellow</i> , with Steven Hyman, Neurobiology 130: Drugs and the Brain	Fall 2008
MIT , Department of Brain and Cognitive Sciences, Cambridge, MA <i>Guest Lecturer</i> , 9.00: Introduction to Psychology	Spring 2006
Open University Israel , Ascolot, Tel Aviv, Israel <i>Lecturer</i> , ‘Selected Topics in Brain Research’, ‘Advanced Brain Research’	Fall 1999, 2000, 2001, 2002
Weizmann Institute of Science , Feinberg Graduate School Rehovot, Isreal <i>Guest Lecturer</i> , Neurobiology of Memory	Spring 2002
<i>Lab Instructor</i> , Neurophysiology: Intact animal electrophysiology	1998
Weizmann Institute of Science , Youth Science Section, Rehovot, Isreal <i>Lecturer</i> , ‘Brain Research’	1999 – 2003
University of Haifa <i>Teaching Assistant</i> , Physiological Basis of Behavior, Philosophy of Science	1994, 1995

Mentoring

Jonatha Nathan, Translational Neuroscience Program, Wayne State University	Fall 2011
Elizabeth Gutierrez, MIT Summer Research Program, MIT Graduate Student	Summer 2010 – 2011
Rebecca Martin, Research Assistant, MIT	2009 – 2011
Kristen Morin, Visiting Undergraduate Research Assistant, Northeastern University	Summer 2010 – 2011
Sunil Patel, Visiting Undergraduate Research Assistant, Northeastern University	Summer 2010, 2011
Kristina Chambers, Visiting Student, Dartmouth College, NH	Fall 2009
Christiane Mietzsch, Bachelor Thesis, Osnabrück, Germany	2009 – 2010
Thesis title: ‘Signal detection and dual process models of recognition memory’	
Elizabeth Counterman, MIT Summer Research Program, Psychology at Mt. Holyoke	Summer 2009
Sudhendra Sudandaram, Summer Research Assistant, Brown University	Summer 2009
Ayesha Hameed, Undergraduate Research Project, Lab Course, MIT	2008 – 2009
Karen Schuil, Master Thesis, Leiden University, The Netherlands	2007 – 2008
Thesis title: ‘The effects of development on the shape of the hemodynamic response function’	
Xiaoqian Jenny Chai, Visiting Graduate Student, Berkeley	2006 – 2009
Tania Abedian, Visiting Undergraduate Student, RPI	Summer 2008
Boris Volfson, Visiting Undergraduate Student, McGill University, Canada	Summer 2007
Natalie Rubinstein, Undergraduate Summer Projects, Biology Lab Course, MIT	2006 – 2007
Undergraduate Research Opportunity Project (UROP), MIT (six students)	2005 – 2008
M.Sc. Students during Lab Rotation, Weizmann Institute of Science (seven students)	1999 – 2003

Invited Talks

Planned – 04/2012: Institute of Environmental Health Sciences Seminar, **Wayne State University**, Detroit, MI
Planned – 03/2012: Grand Rounds Pediatrics, **Wayne State University**, Detroit, MI
01/2012: The Center for Human Growth and Development Colloquium, **University of Michigan**, Ann Arbor, MI
01/2012: Psychology Department Colloquium, **Michigan State University**, East Lansing, MI
12/2011: Translational Neuroscience Program Seminar, **Wayne State University**, Detroit, MI
10/2011: Invite Speaker, **Baltes International Conference**, Detroit, MI
10/2011: Invited Symposia Speaker, **Cognitive Development Society's 7th Biennial Meeting**, Philadelphia, PA
10/2011: Psychology Department Colloquium, **Wayne State University**, Detroit, MI
05/2011: Greater Boston Cognitive Development Workshop, **Brandeis University**, Waltham, MA
08/2010: Language & Cognition Summer Series, Psychology Department, **Northeastern University**, Boston, MA
06/2010: Psychobiology & Neuropsychology Seminar, Psychology Department, **Haifa University**, Haifa, Israel
06/2010: The New School of Psychology, **Inter Disciplinary Center IDC**, Herzliya, Israel
05/2010: Cognitive Neuroscience Colloquium, **Albert Einstein School of Medicine**, NY
04/2010: Merrill Palmer Skillman Institute / Institute of Gerontology, **Wayne State University**, MI
03/2010: Golby Laboratory Seminar, Brigham and Women Hospital, **Harvard Medical School**, Boston, MA
12/2009: Brain and Cognitive Sciences Departmental Seminar (CogLunch), **MIT**, Cambridge, MA
07/2009: Conference on Neurocognitive Development, **UC Berkeley**, CA
06/2009: **Donders Institute**, Nijmegen, The Netherlands
04/2009: Psychology Department Colloquium, **Hebrew University of Jerusalem**, Jerusalem, Israel
03/2009: **Brandeis University**, Waltham, MA
01/2009: Vision Seminar, Psychology Department, **Stanford University**, Stanford, CA
12/2008: Cognitive & Affective Neuroscience Lab, **MIT**, Cambridge, MA
01/2008: Laboratories of Cognitive Neuroscience at **Children's Hospital**, Boston, MA
09/2007: Cognitive & Affective Neuroscience Lab, **MIT**, Cambridge, MA
05/2007: Cognitive & Affective Neuroscience Lab, **MIT**, Cambridge, MA
11/2006: Charles River Association for Memory Annual Meeting, **MIT**, Cambridge, MA
05/2006: Martinos SCAN Seminar, **MGH**, Charlestown, MA
02/2006: Brain and Cognitive Sciences Departmental Seminar (CogLunch), **MIT**, Cambridge, MA
01/2006: Cognitive Neuroscience Laboratories (Prof. Suzanne Corkin), **MIT**, Cambridge, MA
01/2006: Charles River Association for Memory (CRAM) Inaugural Meeting, **MIT**, Cambridge, MA
07/2005: Detecting Deception meeting held at **University of Wisconsin-Madison**, WI
05/2005: Stanford Psychology Department Cognitive Seminar (FriSem), **Stanford University**, Stanford, CA
02/2005: Laboratories for Cognitive Neuroscience, **Stanford University**, Stanford, CA
05/2004: Laboratories for Cognitive Neuroscience, **Stanford University**, Stanford, CA

Scientific Membership

Cognitive Development Society (CDS)	2011 – present
Society for Research in Child Development (SRCD)	2008 – present
Organization of Human Brain Mapping (OHBM)	2005 – present
Society for Neuroscience (SFN)	2004 – present
Cognitive Neuroscience Society (CNS)	2002 – present

Ad-Hoc Reviewer

Neuron

Journal of Neuroscience

Journal of Cognitive Neuroscience

Neuropsychologia

NeuroImage

Developmental Cognitive Neuroscience

Behavioral Neuroscience

Social Neuroscience

NeuroReport

Review Editor: Frontiers in Cognitive Sciences

Abstract Reviewer: Organization for Human Brain Mapping (OHBM) annual meeting (2008, 2009, 2010, 2011)

Program Reviewer: Soc. Res. Child Dev. (SRCD) Biannual Meeting (2010, Panel 6 Reviewer)

Research Support

R01 MH-080344-02

Gabrieli (PI)

07/01/08-06/30/13

Development of Declarative Memory in the Human Brain

The goals of this project are to discover the underpinnings of the normal development of declarative memory using cross-sectional and longitudinal studies of memory encoding and retrieval.

Total anticipated award \$1,865,250

Role: Co-Investigator (participation as Co-Investigator will continue after moving to Wayne State)

Additional Experience

Outreach Committee, MIT, Department of Brain and cognitive Sciences

2008 – 2011

Principal, “Chase Summer Camp for Science, Music and Art”, Weizmann Institute of Science

1998 – 2003

Lecturer, Brain Research, Youth Activity Section, Weizmann Institute of Science

1999 – 2003

Lecturer, “Bashaar”, Academic Community for the Israeli Society

2001 – 2003