

Noa Ofen, Ph.D.

Department of Psychology
Wayne State University
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ACADEMIC APPOINTMENTS

- August 2011- **Wayne State University** (Detroit, MI)
Assistant Professor, Dept. of Psychology
Faculty Member, Institute of Gerontology, Merrill Palmer Skillman Institute
Core Faculty, Translational Neuroscience Program
Assistant Professor, Dept. of Pediatrics (2011-2015)
- 2005-2011 **Massachusetts Institute of Technology** (Cambridge, MA)
Postdoctoral Associate, Dept. of Brain and Cognitive Sciences
- 2010 **Northeastern University** (Boston, MA)
Lecturer, Dept. of Psychology
- 2008-2009 **Harvard University** (Cambridge, MA)
Teaching Fellow, Dept. of Neurobiology
- 2004-2005 **Stanford University** (Stanford, CA)
Postdoctoral Fellow, Dept. of Psychology

EDUCATION

- 1998-2004 **Weizmann Institute of Science** (Rehovot, Israel)
Ph.D. in Cognitive Neuroscience
- 1996-1998 **Weizmann Institute of Science** (Rehovot, Israel)
M.Sc. in Cognitive Neuroscience
- 1993-1996 **University of Haifa** (Haifa, Israel)
B.A., in Psychology, Magna Cum Laude, With Honors

HONORS, AWARDS, AND FELLOWSHIPS

- 2015 Mentor Award for Junior Faculty, WSU
- 2014 Fellow, German-American Kavli Symposium National Academy of Science, Irvine, CA
- 2014-2016 Faculty Competition for Postdoctoral Fellows Award, WSU
- 2012-2013 Faculty Competition for Graduate Student Award, WSU
- 2009 Science Spot appreciation award, MIT School of Science
- 2006 Travel Award, Organization of Human Brain Mapping, Annual Meeting, Florence, Italy
- 2004 Fellow, RIKEN Brain Science Institute, Summer Lecture Course, Saitama, Japan
- 2003 Fellow, Summer Institute in Cognitive Neuroscience, Lake Tahoe, CA
- 2001 Fellow, Summer Institute in Cognitive Neuroscience, Dartmouth College, NH
- 1996-2003 Feinberg Graduate School Scholarship, Weizmann Institute of Science
- 1993-1995 Excellence Scholarships, Dean List, University of Haifa
- 1993-1995 Interdisciplinary Honor Program, University of Haifa

RESEARCH GRANTS

Federal and Foundation Awards

NIH/NICHD R01 (HD-088507, pending review)

Title: *The Development of Memory: Interference, Retention and Forgetting Across Development*

Role: WSU PI (Sloutsky V., PI); Funding term: 07/01/17–06/30/22

NIH/NIMH R01 (MH-107512-01)

Title: *Development of memory networks in children*

Role: Principle Investigator; Funding term: 06/20/16–03/31/21; Amount: \$1,938,565

Children's Hospital of Michigan Foundation (R2-2013-32)

Title: *Development of memory networks in the brain*

Role: Principle Investigator; Funding term: 07/01/13–12/31/14; Amount: \$12,500

NIH/NIMH R01 MH-080344-02

Title: *Development of Declarative Memory in the Human Brain*

Role: Co-Investigator (Gabrieli JED, PI); Funding term: 07/01/08–06/30/13; Amount: \$1,865,250

Competitive Award Obtained from Wayne State University

WSU Magnetic Resonance Imaging Developmental Time Fund (multiple awards listed chronologically)

Title: *Neuroimaging of Memory Systems in Young Children*

Role: Principle Investigator; Funding term: 07/01/14–03/01/15; Amount: \$8,760

Title: *In Search of Protosyntax in the Brain*

Role: Co-Investigator; Funding term: 10/01/14–08/30/16; Amount: \$12,264

Title: *Longitudinal Neuroimaging of Memory Systems*

Role: Principle Investigator; Funding term: 03/01/15–08/30/16; Amount: \$19,272

Title: *Cognitive and Brain Development in Preterm Born Children*

Role: Principle Investigator; Funding term: 04/01/16–08/30/16; Amount: \$2,920

WSU Faculty Competition for Postdoctoral Fellows Award

Title: *Neural Correlates of Age-Related Differences in Memory: A Life-Span Approach*

Role: Principle Investigator; Funding term: 01/01/15–01/01/17; Amount: \$120,000

This award supports a collaborative project with Dr. N. Raz (WSU Psychology)

WSU Office of the Vice President for Research Award

Title: *Functional MRI research – short-term support*

Role: Co-PI (Damoiseaux, Ofen, Thomason); Funding term: 07/01/14–07/30/16; Amount: \$50,000

WSU University Research Grant

Title: *Cognitive and Brain Development in Preterm Born Children*

Role: Principle Investigator; Funding term: 06/15/14–05/01/15; Amount: \$10,000

This award supported a collaborative project with Dr. S. Raz (WSU Psychology)

WSU Humanities Center Marilyn Williamson Fellowship

Title: *In Search of Protosyntax in the Brain*

Role: Co-Investigator; Funding term: 01/06/14–07/01/16; Amount: \$20,000

This award supported a collaborative project with Dr. L. Progovac (PI, WSU Linguistics)

WSU Faculty Competition for Graduate Student Award

Title: *Neural Correlates and Modifiers of Age Differences in Memory: A Life-Span Approach*

Role: Principle Investigator; Funding term: 08/18/12–08/15/13; Amount: \$40,000

This award supported a collaborative project with Dr. N. Raz (WSU Psychology)

PUBLICATIONS

Papers Published in Peer-reviewed Journals

- Wisse, L., Daugherty, A.M., ... **Ofen, N.**, ..., la Joie, R. for the Hippocampal Subfields Group (in press). A harmonized segmentation protocol for hippocampal and parahippocampal subregions: why do we need one and what are the key goals? *Hippocampus*
- Ofen, N.**, Whitfield-Gabrieli, S., Chai, X.J, Schwarzlose, R.F., Gabrieli, J.D.E. (in press). Neural correlates of deception: lying about past events and personal beliefs. *Social Cognitive and Affective Neuroscience*
- Raz, S., Piercy, J.C., Heitzer, A., Peters, B.N., Newman, J.B., DeBastos, A.K., **Ofen, N.**, Batton, B., Batton, G.G. (in press). Neuropsychological functioning in preterm-born twins and singletons at preschool age. *Journal of the International Neuropsychological Society*
- Ofen, N.**, Yu Q.J., Chen D. (2016). Memory and the Developing Brain: Are insights from cognitive neuroscience applicable to education? *Current Opinions in Behavioral Sciences* 10, 81-88.
- Daugherty, A.M., Bender, A.R., Raz, N., **Ofen, N.** (2016). Age differences in hippocampal subfield volumes from childhood to late adulthood. *Hippocampus* 26, 220-228.
- Mohl, B., **Ofen, N.**, Jones, L., Robin, A., Rosenberg, D., Diwadkar, V.A., Casey, J.E., Stanley, J. (2015). Neural dysfunction in ADHD with reading disability during a word rhyming continuous performance task. *Brain & Cognition* 99, 1-7.
- Daugherty, A.M., **Ofen, N.** (2015). That's a good one! Belief in the efficacy of mnemonic strategies contributes to age-related increase in associative memory. *Journal of Experimental Child Psychology* 136, 17-29.
- Daugherty, A.M., Yu, Q.J., Flinn, R., **Ofen, N.** (2015). A Reliable and valid method for manual demarcation of hippocampal head, body and tail. *International Journal of Developmental Neuroscience* 41, 115-122.
- Matsuzaki, N., Schwarzlose, R., Nishida, M., **Ofen, N.**, Asano, E. (2015). Upright face-preferential high-gamma responses in lower-order visual areas: evidence from intracranial recordings in children. *Neuroimage* 109, 249-259.
- Chai, X.J., **Ofen, N.**, Gabrieli, J.D.E., Whitfield-Gabrieli, S. (2014). Selective development of anticorrelated networks in the intrinsic functional organization of the human brain. *Journal of Cognitive Neuroscience* 26, 501-513.
- Chai, X.J., **Ofen, N.** (*CXJ NO equal contribution*), Gabrieli, J.D.E., Whitfield-Gabrieli, S. (2014). Development of deactivation of the default-mode network during episodic memory formation. *Neuroimage* 84, 932-938.
- Ofen, N.**, Shing, Y.L. (2013). From perception to memory: Changes in memory systems across the lifespan. *Neuroscience and Biobehavioral Reviews* 37, 2258-2267.
- Ofen, N.**, Chai, X.J., Schuil, K.D.I., Whitfield-Gabrieli, S. Gabrieli, J.D.E. (2012). The development of brain systems for successful memory retrieval of scenes. *Journal of Neuroscience* 32, 10012-10020.
- Ofen, N.** (2012). The development of neural correlates for memory formation. *Neuroscience and Biobehavioral Reviews* 36, 1708-1717.
- 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.** (*CXJ NO equal contribution*), Jacobs, L.F., Gabrieli, J.D.E. (2010). Scene complexity: influence on perception, memory, and development in the medial temporal lobe. *Frontiers in Human Neuroscience* 4, 21:1-10.
- 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 Research: Cognitive Brain Research* 17, 507-521.

Book Sections

- Diwadkar, V.A., **Ofen, N.** (2013). Disordered brain network function in adolescence: Impact on thought, language and vulnerability for schizophrenia. *Brain evolution, language, and psychopathology in schizophrenia* pp. 73-95 (P. Brambilla, A. Marini, Eds.) Psychology Press, Taylor & Francis.
- Ofen, N.**, co-authored with Ljiljana Progovac (2015). Appendix: Testing Grounds: Neuroimaging. *Evolutionary Syntax* pp. 211-218. (Ljiljana Progovac) Oxford University Press.

Submitted Manuscripts

- Daugherty, A.M., Flinn, R., **Ofen, N.** Age differences in hippocampal subfield volumes from childhood to late adulthood.
- Yu Q., Daugherty, A.M., Anderson, D.M., Brush, D., Hardwick, A., Lacey, W., Nishimura, M., Raz, S., **Ofen N.** Socioeconomic status linked to differences in hippocampal volume in childhood.
- Kambara, T., Brown, E.C., Jeong-Won Jeong, J-W. **Ofen, N.**, Nakai, Y., Asano E. Spatio-temporal dynamics of short-term working memory maintenance and scanning of verbal information.
- Nishida, M., Korzeniewska, A., Crone, N., Toyoda, G., **Ofen, N.**, Brown, E.C., Asano, E. Brain network dynamics of the human articulatory loop.
- Mohl, B., **Ofen, N.**, Jones L.L., Robin, A.L., Rosenberg, D.R., Diwadkar, V.A., Casey, J.E., Stanley, J.A. Novel reading Index for Classifying Single Word Reading Tendencies in Non-skilled Readers.
- Jones, L.L., Calcaterra, R.D., **Ofen, N.** Integrative Priming of Compositional and Locative Relations.
- Tang, L., Shafer, A.T., **Ofen, N.** Prefrontal cortex contributions to episodic memory development.

TEACHING

Wayne State University Courses Taught

- PSY-1010: Introduction to Psychology (*Undergraduate, 240 students*)
- PSY-8050: Cognitive Neuroscience (*Graduate*)
- PYC-7140: Fundamentals of Neuroimaging (*Graduate*)
- PYC-7890: Research Seminar (*Graduate*)
- PYC-7515: Imaging, Neurodevelopment and Psychiatric Disorders (*Graduate*)

Northeastern University, Department of Psychology, Boston, MA
 PSYC-4366: Cognition (*Lecturer, Undergraduate, 75 students*)

Spring 2010

Harvard University, Faculty of Arts and Sciences, Cambridge, MA
 Neurobiology130: Drugs and the Brain (*Teaching Fellow*, w/Steven Hyman, *Undergraduate*) Fall 2008

Massachusetts Institute of Technology, Department of Brain and Cognitive Sciences
 9.00: Introduction to Psychology (*Guest Lectures, Undergraduate*) Spring 2006, 2008

Open University Israel, Ascolot, Tel Aviv, Israel
 Selected Topics in Brain Research (*Lecturer, Continued Education*) Fall, Spring 1999 – 2002
 Advances in Brain Research (*Lecturer, Continued Education*) Spring 2000 – 2002

Weizmann Institute of Science, Rehovot, Israel
 Neurobiology of Memory (*Guest Lecture, Graduate*) Spring 2002
 Youth Science Section, Brain Research (*Lecturer, AP level*) 1999 – 2003
 Neurophysiology: Intact animal electrophysiology (*Lab Instructor, Graduate*) Summer 1998

University of Haifa, Psychology and Interdisciplinary Honors Program, Haifa, Israel
 Physiological Basis of Behavior 1994, 1995
 Philosophy of Science (*Teaching Assistant, Undergraduate*) 1995

MENTORING

Thesis/Qualifying/Dissertation Chair:

Jonatha Nathan, Translational Neuroscience Program, Basic Science ()
 Lingfei Tang, Cognitive-Developmental-Social, Psychology (Fall 2012-present)
 Dana Anderson, Clinical, Psychology (Fall 2012-present)
 Qijing Yu, Behavioral and Cognitive Neuroscience, Psychology (Fall 2012-present)
 Qin Yin, Behavioral and Cognitive Neuroscience, Psychology (Fall 2016-present)
 Roya Homayouni, Behavioral and Cognitive Neuroscience, Psychology (Fall 2016-present)

Thesis/Qualifying/Dissertation Mentoring Committee Member:

Chaitali Anand – Translational Neuroscience Program (Qualifying & Thesis Committee)
 Raymond Vivano – Psychology: Behavioral Cognitive Neuroscience (IOG Mentoring Committee)
 Jonathan Sober – Psychology: Clinical (IOG Mentoring Committee)
 Diane Sobecki-Ryniak, PhD Candidate, College of Nursing (Qualifying & Thesis Proposal)
 Muzamil Arshad – Translational Neuroscience Program (IOG Mentoring Committee)
 Klodia Hermez, MSc – Basic Medical Sciences (Graduated 2015)
 Ana Daugherty, PhD – Psychology: Behavioral Cognitive Neuroscience (Graduated 2015)
 Brianne Mohl – Translational Neuroscience Program (Graduated 2015)
 Andrew Bender, PhD – Psychology: Behavioral Cognitive Neuroscience (Graduated 2014)
 Peng Yuan, PhD – Psychology: Behavioral Cognitive Neuroscience (Graduated 2013)
 Yiqin Yang, PhD – Psychology: Behavioral Cognitive Neuroscience (Graduated 2013)

Graduate Level Directed Studies and Rotation Sponsorship:

Chatali Anand (Sp/Su 2015)
 Lingfei Tang (Fall 2014)
 Hilary Marusak (Fall 2013)
 Jonatha Nathan (Fall 2012)

Undergraduate Honors Thesis Mentor:

Sadia Ghazi (PSY), ‘Semantic representation of visual stimuli’ (2015)
 Nikhil Adapa (BIO), ‘Neural correlates of the development of implicit memory’ (2016)
 Priya Ann Sam (PSY), ‘Capacity and chunking in verbal memory’ (2016)
 Sydney Ann Howard (PSY), ‘Development of Spatial Navigation’ (2016)
 Mahnoor Ahsan (PSY), in progress

Undergraduate Research Opportunity Project (UROP) award Sponsorship:

Ryan Abbott, 'Visual memory in children and adults: the impact of category similarity and assessment method', 2014.
Sanaya Irani, 'Neurocognitive development of spatial navigation ability', 2016.
Mahnoor Ahsan, 'How do children process information differently than adults in visual recognition of objects and scenes?' 2016.

Summer Undergraduate Research Opportunity Award (SURE/SREP) Sponsorship:

Nikhil Adapa, 2013; Kirtan Dasai, 2013; Abhinav Katti, 2014; Zachary Popovich, 2015; Sanaya Irani, 2016; Hager Al-Khafani (WSU-APA Scholar), 2016

PROFESSIONAL MEMBERSHIP

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

SERVICE ACTIVITIES FOR PROFESSIONAL ASSOCIATIONS

Panelist, National Science Foundation (NSF)
Ad Hoc Reviewer, National Science Foundation (NSF)
Ad Hoc Reviewer, Netherlands Organisation for Scientific Research (NWO)
Ad Hoc Reviewer, National Institute for Psychobiology in Israel
Review Editor, Frontiers in Cognitive Sciences

Ad-hoc Reviewer (~25 assignments per year)

Behavioral Neuroscience
Brain and Cognition
Cerebral Cortex
Child Development
Cognitive Development
Current Opinion in Behavioral Sciences
Developmental Cognitive Neuroscience
Developmental Psychology
Developmental Science
Hippocampus
Frontiers in Psychology
Frontiers in Human Neuroscience
Human Brain Mapping
Journal of Clinical and Experimental Neuropsychology
Journal of Cognitive Neuroscience
Journal of Experimental Child Development

Journal of the International Neuropsychological Society
Journal of the Neurological Sciences
Journal of Neuroscience
Memory
NeuroImage
Neuron
Neuropsychologia
Neuroreport
Neuroscience and Biobehavioral Reviews
PLOS One
Psychology and Aging
Social Cognitive and Affective Neuroscience
Social Neuroscience
Trends in Cognitive Sciences
Visual Cognition
Wiley Interdisciplinary Review: Cognitive Science

Scientific Program Review

Abstract Reviewer, Organization for Human Brain Mapping (OHBM) annual meeting (2008 – 2015)
Program Reviewer, Society for Research in Child Development (SRCD) Biannual Meeting (2010, 2012, 2014, 2016)
Program Reviewer, Cognitive Development Society (CDS) Biannual Meeting (2015)
Invited Chair, Learning and Memory Oral Session (OHBM) annual meeting (2014)

INVITED TALKS

07/2016 International Conference of Memory, Budapest, Hungary
03/2016 The Ohio State University, Developmental Colloquium, Columbus, OH
03/2016 University of Arizona, Cognitive Science Program Colloquium, Tucson, AZ
10/2015 Cognitive Development Society Preconference, Columbus, OH
09/2015 University of Michigan, Functional MRI Seminar, Ann Arbor, MI
04/2015 Stanford University, Cognitive & Systems Neuroscience Seminar, Stanford, CA
03/2015 Society for Research in Child Development, Symposium Speaker, Philadelphia, PA
02/2015 Perinatal Research Branch, Developmental Cognitive Neuroscience Seminar, Detroit, MI
07/2014 International Neuropsychological Society, Symposium Speaker, Jerusalem, Israel
06/2014 American Academy Clinical Neuropsychologists, Workshop leader, New York, NY
12/2013 WSU, Grand Rounds - Department of Pediatrics, Detroit, MI
10/2013 WSU, Institute of Gerontology, Professional Development Seminar, Detroit, MI
10/2013 UT Dallas Vital Longevity Center, Colloquium Speaker, Dallas, TX
05/2013 UC San Francisco, NeuroLens Seminar, San Francisco, CA
05/2013 Society of Biological Psychiatry, Symposium Chair and Speaker, San Francisco, CA
04/2013 Society for Research in Child Development, Chair, Discussant and Speaker, Seattle, WA
02/2013 University of Michigan, fMRI special lecturer series, Ann Arbor, MI
01/2013 WSU, Department of Engineering Seminar, Detroit, MI
05/2012 Max Plank Institute for Human Development, Berlin, Germany
04/2012 WSU, Institute of Environmental Health Sciences Seminar, Detroit, MI
03/2012 WSU, Grand Rounds - Department of Pediatrics, Detroit, MI
01/2012 University of Michigan, The Center for Human Growth and Development, Ann Arbor, MI
01/2012 Michigan State University, Psychology Department Colloquium, East Lansing, MI
12/2011 WSU, Translational Neuroscience Program Seminar, Detroit, MI
10/2011 Baltes International Conference, Invite Speaker, Detroit, MI
10/2011 Cognitive Development Society's Meeting, Invited Speaker, Philadelphia, PA
10/2011 WSU, Psychology Department Colloquium, Detroit, MI
04/2011 Society for Research in Child Development, Chair/Speaker, Montreal, Canada
05/2011 Brandeis University, Greater Boston Cognitive Development Workshop, Waltham, MA
08/2010 Northeastern University, Language & Cognition Summer Series, Psychology, Boston, MA
06/2010 Haifa University, Psychobiology & Neuropsychology Seminar, Psychology, Haifa, Israel
06/2010 Inter Disciplinary Center - IDC, The New School of Psychology, Herzliya, Israel
05/2010 Albert Einstein School of Medicine, Cognitive Neuroscience Colloquium, New York, NY
04/2010 WSU, Merrill Palmer Skillman Institute / Institute of Gerontology, Detroit, MI
03/2010 Harvard Medical School, Brigham and Women Hospital, Golby Laboratory, Boston, MA
12/2009 MIT, Brain and Cognitive Sciences Departmental Seminar (CogLunch), Cambridge, MA
07/2009 UC Berkeley, Conference on Neurocognitive Development, Berkeley, CA
06/2009 Donders Institute, Nijmegen, Netherlands
04/2009 Hebrew University of Jerusalem, Psychology Department Colloquium, Jerusalem, Israel
03/2009 Brandeis University, Waltham, MA
01/2009 Stanford University, Psychology Department, Vision Seminar, Stanford, CA
12/2008 MIT, Cognitive & Affective Neuroscience Lab, Cambridge, MA
01/2008 Children's Hospital, Laboratories of Cognitive Neuroscience at Boston, MA
09/2007 MIT, Cognitive & Affective Neuroscience Lab, Cambridge, MA
05/2007 MIT, Cognitive & Affective Neuroscience Lab, Cambridge, MA
05/2006 MGH, Martinos SCAN Seminar, Charlestown, MA
02/2006 MIT, Brain and Cognitive Sciences Departmental Seminar (CogLunch), Cambridge, MA
01/2006 MIT, Cognitive Neuroscience Laboratories (Prof. Suzanne Corkin), Cambridge, MA
01/2006 Charles River Association for Memory (CRAM) Inaugural Meeting, Cambridge, MA
07/2005 University of Wisconsin-Madison, Detecting Deception meeting, Madison, WI
05/2005 Stanford University, Psychology Cognitive Seminar (FriSem), Stanford, CA

CONFERENCE PRESENTATIONS

[* indicates a student working under my mentorship; last author = senior author]

Yin, Q.* , Tang, L.* , Malik, M.* , Shafer, A.T.* , Chen, D.* , Asano E., **Ofen, N.** (2017). An electrocorticography (ECoG) study of memory formation in children. *Cognitive Neuroscience Society Meeting*, San Francisco, CA.

Yu, Q.J.* , Homayouni, R.* , Shafer, A.T.* , **Ofen, N.** (2017). Developmental difference in hippocampal segmentation using FreeSurfer compared with manual demarcation. *Cognitive Neuroscience Society Meeting*, San Francisco, CA.

Tang, L.* , Shafer, A.T.* , Liddane, R.* , Alkhafaji, H.* , **Ofen, N.** (2017). Age-related differences in the functional connectivity of the medial temporal lobe support successful memory encoding. *Cognitive Neuroscience Society Meeting*, San Francisco, CA.

Hayes, J.* , Tang, L.* , van Rooden, S., **Ofen, N.**, Damoiseaux J. (2017). Different subsequent memory effect in healthy older adults with subjective memory complaints. *Dallas Aging and Cognition Conference*, Dallas, TX.

Anderson, D.M.* , Yu, Q.J.* , Roberson, J., Piercy, J.* , Heitzer, A.* , Raz, S., **Ofen, N.** (2016). Systematic review of the relationship between hippocampal volume and memory performance in preterm-born individuals. *International Neuropsychological Society Meeting*, New Orleans, LA.

Jones, L., Calcaterra, R., **Ofen N.** (2016). Complementary role activation and perceptual simulation in compositional and locative relations. *57th Annual Meeting of the Psychonomic Society*, Boston, MA.

Kambara, T., Brown, E.C., Jeong-Won Jeong, J.W., **Ofen, N.**, Nakai, Y., Asano, E. (2016). Spatiotemporal dynamics of short-term working memory maintenance and scanning of verbal information. *Society for Neuroscience Meeting*, San Diego, CA.

Daugherty, A.M., Bender, A.R., Yu, Q.J.* , Shafer, A.T.* , Arshad, M., **Ofen, N.**, Raz, N., (2016). Advanced age, vascular risk and inflammation exacerbate differential shrinkage of hippocampal subfields in healthy adults: a two-year longitudinal study. *Society for Neuroscience*, San Diego, CA.

Ofen, N., Daugherty, A.M.* (2016). Age-related differences in dentate gyrus volume uniquely linked to improvement in associative memory. *International Conference on Memory*, Budapest, Hungary.

Tang, L.* , Shafer, A.T.* , Yu, Q.J.* **Ofen, N.** (2016). Prefrontal cortex contributions to episodic memory development. *International Conference on Memory*, Budapest, Hungary.

Hayes, J.M., Tang, L.* , **Ofen, N.**, Damoiseaux, J.S. (2016). Subjective memory complains are associated with brain activation supporting successful memory encoding. *Alzheimer's Association International Conference*, Toronto, Canada.

Tang, L.* , Shafer, A.T.* , Yu, Q.J.* , Liddane, R.* , **Ofen, N.** (2016). Mapping prefrontal cortex contribution to the development of memory formation. *Cognitive Neuroscience Society Meeting*, New York, NY.

Anderson, D.M.* , Yu, Q.J.* , Piercy, J.* , Heitzer, A.* , Raz, S., **Ofen, N.** (2016). Assessing the relationship between episodic memory and the volume of the hippocampus in young children born prematurely. *International Neuropsychological Society Meeting*, Boston, MA.

Korzeniewska, A., Crone, N., Nishida, M., Toyoda, G., **Ofen, N.**, Brown, E.C., Asano, E. (2015). Dynamic model of articulatory loop system interactions in human brain. *American Epilepsy Society Meeting*, Philadelphia, PA.

Nishida, M., Korzeniewska, A., Crone, N., Toyoda, G., **Ofen, N.**, Brown, E.C., Asano, E. (2015). Electrocorticography and stimulation revealed when and where the articulatory loop system works in human brain. *American Epilepsy Society Meeting*, Philadelphia, PA.

- Yu, Q.J.* , Shafer, A.T.* , Anderson, D.M.* , Heitzer, A.* , Piercy, J.* , Brush, D.* , Angell, W.H.* , Raz, S., **Ofen, N.** (2015). Neural correlates of spatial navigation in young children: Linking brain volumetry and performance on a virtual Morris Water Maze task. *Society for Neuroscience Meeting*, Chicago, IL.
- Shafer, A.T.* , Schwarzlose, R.F.* , Asano, E., **Ofen, N.** (2015). Spatial-temporal dynamics of memory formation in children: An electrocorticography (ECoG) investigation. *Society for Neuroscience Meeting*, Chicago, IL.
- Yu, Q. J.* , Anderson, D.M.* , Nishimura, M.* , **Ofen, N.** (2015). Medial temporal lobe maturation is related to the development of verbal memory. *Cognitive Neuroscience Society Meeting*, San Francisco, CA.
- Asano, E., Matsuzaki, N., Schwarzlose, R.F.* , Nishida, M., **Ofen, N.** (2015). Upright face-preferential high-gamma responses in lower-order visual areas: evidence from intracranial recordings in children. *Cognitive Neuroscience Society Meeting*, San Francisco, CA.
- Ofen, N.**, Daugherty, A.M. (2015). Regional hippocampus measures through development. Symposium, *Biennial Meeting of the Society for Research in Child Development*, Philadelphia, PA.
- Chai, X.J., **Ofen, N.**, Martin, R.E.* , Whitfield-Gabrieli, S. Gabrieli, J.D.E. (2015). Development of amygdala and hippocampal resting-state functional connectivity between 8 to 24 years of age. Symposium, *Biennial Meeting of the Society for Research in Child Development*, Philadelphia, PA.
- Anderson, D.M.* , Daugherty, A.M.* , Brush, D.* , Piercy, J.* , Heitzer, A.* , Raz, S., **Ofen, N.** (2015). Age-related differences in free recall and mnemonic strategy use. *International Neuropsychological Society Meeting*, Denver, CO.
- Patel, H.* , Miller Rigoli, C.* , Schwarzlose, R.F.* , Yu, Q.J.* , Tang, L.* , Grosu, I.* , **Ofen, N.** (2014). Mapping the formation of memory in children using Electrocoortigraphy. *American Medical Association*, Dallas, TX.
- Mohl, B.* , Goradia, D.D., Jones, L.J., **Ofen, N.**, Robin, A.L., Rosenberg, D.R., Diwadkar, V.A., Casey, J.E., Stanley J.A. (2105). Predicting Functional Activation of Reading Subnetworks with a Novel Reading Tendency Index. *Society of Biological Psychiatry Annual meeting*, New York, NY.
- Tang, L.* , Miller Rigoli, C.* , Patel, I.* , Adapa, N.* , Yu, Q.J.* , **Ofen, N.** (2014). Developmental differences in the anterior and posterior medial temporal lobe during memory formation. *Organization for Human Brain Mapping Annual Meeting*, Hamburg, Germany.
- Daugherty, A.M.* , Bender, A.R., Tang, L., Raz, N., **Ofen, N.** (2014). Differential age-related decrease in hippocampal subfield volume from childhood to late adulthood. *Organization for Human Brain Mapping Annual Meeting*, Hamburg, Germany.
- Mohl, B.* , Goradia, D., White, R., Rajan, U., Khatib, D., Zajac-Benitez, C., Casey, J., Diwadkar, V.A., **Ofen, N.**, Stanley, J.A. (2014). Altered word recognition in ADHD boys with a comorbid Reading Disability: A preliminary fMRI study. *Organization for Human Brain Mapping Annual Meeting*, Hamburg, Germany.
- Peters, B.N., Heitzer, A., Piercy, J., **Ofen, N.**, Batton, D. Raz, S. (2014). Sex differences in language skills in very preterm born three-year olds. *International Neuropsychological Society*, Seattle, WA.
- Ofen N.**, Daugherty, A.M.* (2013). Hippocampal head and body volumes are related to hippocampal subfield volumes. *Society for Neuroscience Meeting*, San Diego, CA.
- Daugherty, A.M.* , **Ofen N.** (2013). Developmental differences in hippocampal dentate gyrus account for improvement in associative memory. *Society for Neuroscience Meeting*, San Diego, CA.
- Marusak, H.A.* , Stoltman, J.K.* , Serota, R.* , Diwadkar, V.A., **Ofen, N.** (2013). Top-down control mediating the successful memory retrieval across development. *Organization for Human Brain Mapping Annual Meeting*, Seattle, WA. (Marusak won an OHBM Travel Award)

Ofen, N. (2013). Memory systems in development, risk and disease: A case-study for R-DoC applications in the schizophrenia diathesis. Symposium Chair and Presenter, *Society of Biological Psychiatry Annual meeting*, San Francisco, CA.

Ofen, N., Chai, X.J., Gabrieli, J.D.E. (2013). Neural correlates of the development of recollection and its relation to strategy use. Symposium Chair and Presenter Paper Symposium, *Biennial Meeting of the Society for Research in Child Development*, Seattle, WA.

Ofen, N. (2013). Development of Memory Flexibility and Plasticity: Brain-Behavior Relations. Discussant, *Biennial Meeting of the Society for Research in Child Development*, Seattle, WA.

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, *Organization for Human Brain Mapping Annual 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. *Cognitive Neuroscience Society 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

SELECTED LIST OF OUTREACH ACTIVITIES

2015, 2016	Go-GIRL, WSU program, workshop organizer ‘your brain on STEM’ (sponsored by NIH)
2013-present	Brain Day (held annually at the Michigan Science Center, Detroit, MI)
2013-present	Future Docs (held annually, organized by WSU School of Medicine, Detroit, MI)
2008-2011	Outreach Committee, MIT Department of Brain and cognitive Sciences
2001-2003	Lecturer, “Bashaar”, Academic Community for the Israeli Society
1998-2003	Head, “Summer Camp for Science, Music and Art”, Weizmann Institute of Science
1999- 2003	Lecturer, Youth Activity Section, Weizmann Institute of Science

SELECTED LIST MENTIONS IN POPULAR OR PROFESSIONAL MEDIA

<http://wis-wander.weizmann.ac.il/science-education-science-culture/mirrors-and-memory>

<http://www.economist.com/node/9616794>

<http://news.mit.edu/2007/memory-0805>

<http://research.wayne.edu/news.php?id=9510>

<http://www.news-medical.net/news/20160713/Researcher-receives-2419-million-grant-to-study-development-of-memory-networks-in-children.aspx>

<https://www.sciencenewsforstudents.org/article/teen-brains-may-have-advantage-better-learning>