

Galit Yovel, Ph.D.
Full Professor
School of Psychological Sciences
Sagol School of Neuroscience
Tel Aviv University, Tel Aviv, Israel

March 2021

CURRICULUM VITAE

Date of birth: 1971
Marital Status: Married + 2

EDUCATION

1992-1995	Tel Aviv University	Psychology & Philosophy	BA <i>Magna Cum Laude</i>
1997-1999	University of Chicago	Psychology (Psychobiology)	MA
1997-2001	University of Chicago	Psychology	Ph.D.

Doctoral Dissertation: "Hemispheric Asymmetry and Interhemispheric Communication in Face Perception"

Supervisor: Jerre Levy, University of Chicago
Ken A. Paller, Northwestern University

FURTHER STUDIES

January-July 2002	Northwestern University Evanston, IL	Dept. of Psychology	Post-Doctoral Fellow
August 2002-Aug 2005	Massachusetts Institute of Technology, MA	Dept. of Brain & Cognitive Sciences	Post-Doctoral Associate

ACADEMIC AND PROFESSIONAL EXPERIENCE

2005-2009	Tel Aviv University	Dept. of Psychology	Lecturer
Since 1.1.09	Tel Aviv University	Dept. of Psychology	Senior Lecturer
Since 1.2.10	Tel Aviv University	Dept. of Psychology	Associate Professor
2012-2013	Rockefeller University	Neural Systems Laboratory	Visiting Associate Prof
Since 1.11.13	Tel Aviv University	Dept. of Psychology	Full Professor

ADMINISTRATIVE ROLES AT TEL AVIV UNIVERSITY

2006-2012	Tel Aviv University	Dept. of Psychology	Co-director of the Brain & Cognitive Neuroscience direct PhD Program
2007-2012	Tel Aviv University	Dept. of Psychology	Co-director of the Biology-Psychology BA Neuroscience Program
2007-2008	Tel Aviv University	Dept. of Psychology	Organizing Committee of the Tel-Aviv Human Brain Mapping meeting
2008-2012	Tel Aviv University	Dept. of Psychology	A member in the Psychology BA committee
2010-2012	Tel Aviv University	Dept. of Psychology	Chair of the PhD committee

2010-2012	Tel Aviv University	Faculty: Social Sciences	A member of the faculty PhD committee
2010-2011	Tel Aviv University	School of Neuroscience	A member of the founding committee
2012-2014	Tel Aviv University	School of Neuroscience	Head of the MSc committee
2013-2017	Tel Aviv University	School of Neuroscience	Founder and Co-director of the Computer Sciences- Psychology BSc Neuroscience Program
2015-2017	Tel Aviv University	Strauss Center for Computational Neuroimaging	Head of the MRI Center
2017-present	Tel Aviv University	School of Psychological Sciences	Head

ACADEMIC AND PROFESSIONAL AWARDS

Scholarships and Awards

1994-1995	Tel Aviv University	Social Sciences	Dean's Honor List
1995	Tel Aviv University	Psychology	Magna Cum Laude
1999	University of Chicago	Psychology Major & Minor areas	High Honors Summa Cum Laude
1997-2001	University of Chicago	Psychology	4-Year Merit Based Fellowship
2005–2008	Tel Aviv University	Psychology	Alon Fellowship

2008	Tel Aviv University	Faculty of Social Sciences	Rector's award for Excellence in Teaching
2009	Tel Aviv University	Faculty of Social Sciences	Rector's award for Excellence in Teaching
2011	Tel Aviv University		President's Young investigator award for excellence in research
2011	Tel Aviv University	Faculty of Social Sciences	Rector's award for Excellence in Teaching
2012	Tel Aviv University	Faculty of Social Sciences	Rector's award for Excellence in Teaching
2014	Tel Aviv University	Faculty of Social Sciences	Rector's award for Excellence in Teaching
2017	Israel Institute for Advanced Studies		The Michael Bruno Award

Research Grants

1. Alon Foundation Grant: Israel Council for Higher Education \$30,000
2. Israel Foundations Trustees 2006 "What makes upright faces special? An extensive investigation of the configural face processing hypothesis." P.I. \$12,500 October 2006- October 2007
3. Tel-Aviv University, Adams Super Center for Brain Research 2006. "Linking Cognitive and Neural Markers of Face-Selective Processing Mechanisms: An Individual-Differences Approach" P.I., \$5,000. 2006 - 2007.
4. Marie Curie Reintegration Grant. "The behavioral, Neural and genetic basis of face processing" P.I €80000 2007- 2009
5. Wolfson Foundation Trustee. "Cognitive Neuroscience of High Level Vision" P.I £267,000, 2007- 2009
6. British Council Exchange - Travel award to facilitate collaboration with a laboratory in the UK. "*TMS of face and body processing*" £5000 2008
7. German Israeli Foundation – Young investigator "*Where and when are faces processed in the brain?*" P.I. €35,000 2009-2010
8. Israel Science Foundation "*Holistic Processing of human Bodies*" P.I
 - a. Equipment Grant: \$100,000

b. Research Grant: 504,000 IS 2008-2012

9. US Israel Bi-national Scientific Foundation "*The role of Experience in Face Perception*" In collaboration with Dr. Chris I Baker, NIH \$60,000 2008-2010.
10. Israel Science Foundation "*The representation of multiple objects in object-category selective cortex: Effect of bottom-up mechanisms* " P.I 820,000 ILS 2012-2016
11. German-Israeli Foundation "Visual-auditory integration of face-voice stimuli in normal hearing and cochlear implant users" co-P.I Stefan Debener €165,000 2014-2017
12. Israel Science Foundation and Institute of Advanced Studies – "On faces bodies and voices – multi-modal mechanisms of person recognition" – An international workshop 140,000 ILS with Galia Avidan and Tzvi Ganel.
13. Israel Science Foundation -Bikura "White matter properties and neural conduction revealed by neuroimaging and electrophysiological studies" co-PI Yaniv Assaf, Anat Achiron, 1,200,000 ILS 2015-2018
14. Israeli Science Foundation "The role of motion in person recognition" 2016-2021 1,000,000 ILS
15. The Biometric Applications Commissioner. "Algorithm-based face matching by human observers" 2016-2018 300,000 ILS
16. Israeli Science Foundation – Israel-China "What type of experience is needed to become a face expert? A reverse engineering approach. Co-PI Prof. Jia Liu, Beijing Normal University, 2018-2021, 1,000,000 ILS

MEMBERSHIP IN PROFESSIONAL SOCIETIES

Vision Science Society

Society for Neuroscience

REVIEW WORK

Editorial Board

2011-2014 PLOS:ONE

2017 Guest Editor Visual Cognition: Special Issue on Person Recognition

2020-present, Associate Editor, British Journal of Psychology

Grants

Israeli Science Foundation (ISF)

Bi-national Science Foundation (BSF)

German-Israel Science Foundation (GIF)

Psychobiology Institute

The Dutch Research Council

Research Council K.U.Leuven, Belgium

Panel Member

Israeli Science Foundation (ISF) – Chair, member

German-Israeli Foundation (GIF)

Ad-hoc Reviewer

- PNAS
- Neuron
- Current Biology
- Cerebral Cortex
- Journal of Neuroscience
- Journal of Cognitive Neuroscience
- Psychological Sciences
- PLOS: Comp Bio
- Cognition
- Cognitive Psychology
- Neuroimage
- JEP:HPP
- JEP: General
- Journal of Vision
- Child Development
- Cognitive Neuropsychology
- Brain
- Neuropsychologia

PUBLICATIONS

Total Citations: 8400, h-index 46 (Google Scholar)

Journal Articles

1. Mintz, M., **Yovel G.**, Gigi A., and Myslobodsky M.S. (1998)
Dissociation between startle and prepulse inhibition in rats exposed to gamma radiation at Day 15 of embryogeny. *Brain Research Bulletin* 45(3): 289-296.
2. **Yovel, G.**, Sirota P., Mazeh D., Shakhar G., Rossen E., and Ben-Eliyahu S. (2000)
Higher natural killer cell in schizophrenic patients: The impact of smoking, medication and serum factors. *Brain, Behavior & Immunity* 14: 153-169.
3. **Yovel, G.**, Shakhar K. & Ben-Eliyahu S. (2001)
Effects of gender, menstrual cycle, and oral contraceptives on number and activity of human NK cells. *Gynecologic Oncology* 81: 254-262.
4. **Yovel, G.**, Yovel I., & Levy J. (2001)
Hemispheric asymmetry for visual perception: Effects of stimulus and task factors. *Journal of Experimental Psychology: Human Perception & Performance* 27: 1369-1385.
5. Levy, J., **Yovel G.**, Bean M. (2003)
Facilitation and disruption of lateralized syllable processing by unattended stimuli in the opposite visual field. *Brain and Language* 85: 432-440.
6. **Yovel, G.**, Levy J., Grabowecky M., Paller KA. (2003)
Neural correlates of the left-visual-field superiority in face perception appear at multiple stages of face perception. *Journal of Cognitive Neuroscience* 15: 462-474.
7. **Yovel G.**, & Paller KA. (2004)
The neural basis of the butcher on the bus phenomenon: When a face seems familiar but is not remembered. *NeuroImage* 21(2): 789-800.
8. **Yovel G.**, & Kanwisher N. (2004)
Face perception: Domain specific for faces, not process specific for configural processing, *Neuron* 44(5) 889-898.
9. **Yovel, G.**, Levy J., Paller KA (2005)

A whole face is more than the sum of its two halves: Interactive processing in face perception. *Visual Cognition* 12(2) 337-352

10. Duchaine B., **Yovel G.**, Butterworth E., Nakayama K. (2006)
Elimination of all domain-general hypotheses of prosopagnosia in a single individual with developmental prosopagnosia. *Cognitive Neuropsychology* 23(5): 714-747
11. **Yovel G.**, Kanwisher N. (2005)
The neural basis of the behavioral face-inversion effect. *Current Biology*. 15: 2256-2262.
12. **Yovel, G.**, Duchaine, BC. (2006)
Specialized Face Perception Mechanisms Extract Both Part and Spacing Information: Evidence from Developmental Prosopagnosia. *Journal of Cognitive Neuroscience* 18(4): 580-593
13. Kanwisher, N & **Yovel G.** (2006)
The Fusiform Face Area: A Cortical Region Specialized for the Perception of Faces. *Philosophical Transaction of the Royal Society of London: Biological Letters* 361: 2109-2128.
14. Pitcher D, Walsh V, **Yovel G.**, Duchaine BC (2007)
TMS evidence for the involvement of the right occipital face area in early face processing *Current Biology* 17: 1568-1573.
15. Duchaine, B. **Yovel, G.** Nakayama, K (2007)
No global processing deficit in the Navon task in 14 developmental prosopagnosia *Social Cognitive and Affective Neuroscience* 2: 104 – 113.
16. Butler PD; Tambini A, **Yovel G.**, Jalbrzikowski M, Ziwich R, Silipo G MA, Kanwisher N PhD, Javitt DC (2008)
What's In A Face? Effects of Stimulus Duration And Inversion on Face Processing in Schizophrenia *Schizophrenia Research* 103: 283-292.

17. Sadeh, B., Zhdanov, A, Podlipsky I., Hendler, T & **Yovel, G.** (2008) The validity of the face-selective ERP N170 component during simultaneous recording with functional MRI. *Neuroimage* 42: 778-786.
18. **Yovel G.** & Kanwisher N. (2008) The representations of spacing and part-based information are associated for upright faces but dissociated for objects: Evidence from individual differences. *Psychonomic Bull & Rev* 15(5): 933-939.
19. **Yovel G.**, Tambini A, Brandman T (2008) The asymmetry of the fusiform face area is a stable individual characteristic that underlies the left-visual-field superiority for faces. *Neuropsychologia* 46: 3061-3068.
20. Bar-Haim, Y. Saidel T. **Yovel, G.** (2009) The Role of Skin Color in Face Recognition. *Perception* 38: 145-148.
21. Bleich-Cohen, M., Strous, R.D., Even, R., **Yovel, G.**, Iancu, I , Olmer, A. T. Hendler. (2009) Blunted Brain Reactivity to Bizarre Facial Expression in First-Episode Schizophrenia. *Human Brain Mapping*. 30(8): 2606-16.
22. McKone E & **Yovel G.** (2009) Why does picture-plane inversion sometimes dissociate perception of features and spacing in faces, and sometimes not? *Psychonomics Bulletin and Review* 16(5):778-97
23. **Yovel G.** (2009) The shape of facial features and the spacing among them generate similar inversion effects: A reply to Rossion (2008) *Acta Psychologica* 132(3):293-9.
24. Bowles DC, McKone E, Dawel A, Duchaine B, Palermo R, Schmalzl L, Rivolta D, Wilson E, **Yovel G** (2009) Diagnosing prosopagnosia: Effects of aging, sex, and participant stimulus ethnic match on the Cambridge Face Memory Test and Cambridge Face Perception Test. *Cognitive Neuropsychology* 26(5) 423-455
25. **Yovel G.**, Pelc T. Lubezky I. (2010) It's all in your head: Why is the body inversion effect abolished for headless bodies? *Journal of Experimental Psychology: Human Perception and Performance* 36(3):759-67.
26. Axelrod, A. & Yovel, G. (2010) External facial features modify the representation of internal facial features in the Fusiform Face Area. *Neuroimage* 52, 720-725
27. Sadeh B, Podlipsky I, Zadanov A. **Yovel G** (2010) Face-selective fMRI and Event-related potential responses are highly correlated: Evidence from

- simultaneous ERP-fMRI investigation. *Human Brain Mapping* 31:10 1490-1501
28. Sadeh, B. & **Yovel, G.** (2010) Why is the N170 enhanced for inverted faces? An ERP competition experiment. *Neuroimage* 53:2 782-789
 29. Brandman, T. & **Yovel, G.** (2010) The body inversion effect is mediated by face-selective not body-selective areas. *Journal of Neuroscience* 30:31 10534-10540
 30. Hadas, D. Intrator, N. **Yovel, G.** (2010) Rapid Object Category Adaption during Unlabeled Classification *Perception* 39:9 1230-1239
 31. Axelrod, A. & **Yovel, G.** (2011) Non-preferred stimuli modify the representation of faces in the Fusiform Face Area. *Journal of Cognitive Neuroscience* 23:3 746-56
 32. Hadas, D. **Yovel, G.** Intrator, N. (2011) Using unsupervised incremental learning to cope with gradual concept drift *Connection Science* 23(1) 65-83
 33. Blank, I. & **Yovel, G.** (2011) The structure of face-space is tolerant to lighting and viewpoint transformations *Journal of vision* 11(8) 1-13
Impact: 3.4
 34. Sadeh, B. Pitcher D, Brandman T, Eisen A, Thaler & **Yovel G.** (2011) Stimulation of object-category selective brain areas modulates event-related potentials to their preferred categories. *Current Biology* 21(22) 1894-1899
 35. Pitcher D, Duchaine B, Walsh V, **Yovel G.** Kanwisher N (2011) The role of lateral occipital face and object areas in the face inversion effect *Neuropsychologia* 49(12) 3448-3453
 36. McKone E, Hall A, Pidcock M, Palermo R, Wilkinson R, Rivolta D, **Yovel G.** Davis J, O'Connor K (2011) Face ethnicity and measurement reliability affect the assessment of face recognition ability in developmental prosopagnosia: Evidence from the Cambridge memory face test- Australia. *Cognitive Neuropsychology* 28 (2), 109-146
 37. Axelrod V & **Yovel G** (2012) Hierarchical processing of face viewpoint in human visual cortex, *Journal of Neuroscience*. 32(7) 2442-2452 *
**Was selected to the F1000 top 2% papers in the field*

38. **Yovel, G** Halsband K Pelleg M Farkash N Gal B Goshen Y (2012) Can massive but passive exposure to faces contribute to face recognition abilities? *Journal of experimental Psychology: Human perception and performance*. 38 (2) 285-289
39. Arizpe, J. Kravitz, D. **Yovel G**, Baker CI (2012) Start Position Strongly Influences Fixation Patterns during Face Processing: Difficulties with Eye Movements as a Measure of Information Use *PLOS:One* 7(2): e31106
40. Amit E., Mehoudar, E. Trope, Y., **Yovel G**. (2012) Do object-category selective regions in the ventral visual stream represent perceived distance information? *Brain and Cognition* 80(2) 201-2013
41. Brandman T & **Yovel G** (2012) A face inversion effect without a face. *Cognition* 125(3) 365-372
42. De Vos M, Thorne J, **Yovel G** and Debener S (2012) Let's face it, from trial to trial: Comparing procedures for N170 single trial estimation. *Neuroimage* 63(3) 1196-1202
43. Gilad-Gutnick, S, **Yovel G** & Sinha P (2012) Recognizing degraded faces: The contribution of configural and featural cues *Perception* 41, 1497-1511.
44. **Yovel G** & Freiwald W (2013) Face recognition systems in monkey and human: are they the same thing? *F1000 Prime: Reports* 10:5
45. **Yovel G** & Belin P (2013) A unified coding strategy for processing faces and voices *Trends in Cognitive Sciences* 17(6):263-71
46. Susilo, T., Yovel, G., Barton, J. J. S., & Duchaine, B. (2013). Face perception is category-specific: Evidence from normal body perception in acquired prosopagnosia. *Cognition*, 129, 88-94.
47. Axelrod V & **Yovel G** (2013) The challenge of localizing the anterior temporal face area: A possible solution *Neuroimage*, 81, 137-380.
48. Tavor I, Yablonski, M, Mezer A, Rom S, Assaf Y & **Yovel G** (2014) Separate parts of occipito-temporal white matter fibers are associated with recognition of faces and places *Neuroimage* 86, 123-130

49. Erez Y & **Yovel G** (2014) Clutter modulates the representation of target objects in the human occipitotemporal cortex *Journal of cognitive neuroscience* 26 (3), 490-500
50. Sadeh B & **Yovel G** (2014) Extracting visual evoked potentials recorded during fMRI-guided Transcranial Magnetic Stimulation *Journal of Visualized Experiments*. e51063-e51063 *Impact factor has not been determined*
51. Mehoudar E, Arizpe J, Baker CI & Yovel G (2014) Faces in the eye of the beholder: Unique and stable eye-scanning patterns of individual observers. *Journal of vision* 14 (7), 6. Impact: 2.479 [13/59 in Ophthalmology]
52. Yovel, G, Wilmer J & Duchaine B. (2014) What can individual differences tell us about face processing? *Frontiers in Human Neuroscience* 8, 562
53. Axelrod A, Bar M, Rees G, & **Yovel G** (2014) Neural Correlates of Subliminal Language processing, *Cerebral Cortex*
54. Bernstein M, Oron Y, Sadeh B, **Yovel G** (2014) An integrated face-body representation in the fusiform gyrus but not the lateral occipital cortex, *Journal of Cognitive Neuroscience*,
55. Brandman T & Yovel G (2014) Are bodies represented as wholes or as the sum of their parts in the occipital-temporal cortex? *Cerebral Cortex*
56. Horovitz A., Tavor, I, Barazany D. Bernstein, M, Yovel G, Assaf Y (2015) In vivo correlation between axon diameter and conduction velocity in the human brain. *Brain Structure & Function*,
57. Axelrod, V & Yovel G (2015) Successful decoding of famous faces in the Fusiform Face Area, PLOS ONE
58. Bernstein M Yovel G Two neural pathways of face processing: A critical evaluation of current models *Neuroscience & Biobehavioral Reviews* 55, 536-546
59. B Duchaine, **G Yovel** (2015) A Revised Neural Framework for Face Processing *Annual Review of Vision Science* 1, 393-416
60. **G Yovel** (2015) Neural and cognitive face-selective markers: An integrative review. *Neuropsychologia* 83, 5-13
61. N Abudarham, **G Yovel** (2015) Reverse engineering the face space: Discovering the critical features for face identification *Journal of vision* 16 (3), 40-40
62. N Simhi, **G Yovel** (2016) The Contribution of the Body and Motion to Whole Person Recognition. *Vision research*, 122 12-20

63. J Arizpe, DJ Kravitz, V Walsh, **G Yovel**, CI Baker (2016) Differences in Looking at Own-and Other-Race Faces Are Subtle and Analysis-Dependent: An Account of Discrepant Reports *PLOS One*. 11 (2), e0148253
64. Freiwald W Duchaine, B **Yovel, G** (2016) Face Processing Systems: From Neurons to Real World Social Perception *Annual Review of Neuroscience* 39 325-346
65. **G Yovel** & AJ O'Toole (2016) Recognizing people in motion. *Trends in cognitive sciences* 20 (5), 383-395
66. Schwartz, L. & **Yovel, G.**, (2016) The Role of Perceptual and Conception Information in Face Recognition. *Journal of Experimental Psychology: General* 145 (11), 1493
67. Brezis, N, Bronfman, Z, **Yovel G** & Goshen-Gottstein Y (2017) The Electrophysiological Signature of Remember/Know Is Confounded with Memory Strength and Cannot Be Interpreted as Evidence for Dual-process Theory of Recognition. *Journal of Cognitive Neuroscience* 29 (2), 322-336
68. Arizpe, J., Walsh, V., **Yovel, G.**, & Baker, C. I. (2017). The categories, frequencies, and stability of idiosyncratic eye-movement patterns to faces. *Vision Research*. 141 191-203
69. Simhi N & **Yovel G**, (2017) The Role of Familiarisation in Dynamic Person Recognition. *Vision Cognition: Special Issue on Person Perception* 25 (4-6), 550-562
70. M Bernstein, Y Erez, I Blank, **G Yovel** (2018) An Integrated Neural Framework for Dynamic and Static Face Processing *Scientific reports* 8 (1), 7036
71. S Gilad-Gutnick, ES Harmatz, K Tsourides, **G Yovel**, P Sinha (2018) Recognizing Facial Slivers *Journal of cognitive neuroscience*, 30(7) 951-962
72. N Abudarham, **G Yovel** (2018) Same critical features are used for identification of familiarized and unfamiliar faces *Vision research* 157 105-111.
73. N Abudarham, Shkiller L **G Yovel** (2019) Critical features for face recognition, *Cognition* 182 73-83
74. Schwartz L & **Yovel G** (2019) Learning faces as concepts rather than percepts improves face recognition. *Journal of Experimental Psychology: Learning Memory Cognition* 45 (10) 1733

75. Schwartz L & **Yovel G** (2019) Independent contribution of perceptual experience and social cognition to face recognition. *Cognition* 183 131-138
76. Omer, Y., Sapir, R., Hatuka, Y., & **Yovel, G.** (2019). What Is a Face? Critical Features for Face Detection. *Perception*, 48(5), 437-446.
77. Kliger, L., & **Yovel, G.** (2020). The functional organization of high-level visual cortex determines the representation of complex visual stimuli. *Journal of Neuroscience*. 40(39) 7545-7558
78. Simhi N. & **Yovel G.** (2020) Can we recognize people based on their body-alone? The roles of body motion and whole person context. *Vision Research* 91-98
79. Simhi N. & **Yovel G** (2020) Independent contributions of the face, body and gait to the representation of the whole person. *Attention Perception & Psychophysics* 1-16
80. Simhi, N., & **Yovel, G.** (2020). Dissociating identity from gait: A virtual reality study of the role of dynamic identity signatures in person recognition. *Cognition*. 205 104445
81. **Yovel, G.** & Abudarham A. (2021) From Concepts to Percepts in Human and Machine Face Recognition: A reply to Blauch, Behrmann & Plaut. *Cognition*. 208 104424

Preprints/Papers under review

- Abudarham, N., & **Yovel, G.** (2020). Face recognition depends on specialized mechanisms tuned to view-invariant facial features: Insights from deep neural networks optimized for face or object recognition. *bioRxiv*.

Book Chapters/ Encyclopedic Reference

Duchaine B. & **Yovel G.** (2007) Face Recognition. In Tom Albright and Richard Maslin (Eds.) *The Senses: A Comprehensive Reference*. Vol. 2 pp. 329-357.

Kanwisher, N. & **Yovel, G.** (2009). Cortical Specialization for Face Perception in Humans. in Cacioppo, J.T. & Berntson, G.G. (Eds.), *Handbook of Neuroscience for the Behavioral Sciences*. J. Wiley and Sons. Vol 2. Chapter 43

Yovel, G. & Bernstein, M. (2015) Extracting social information from faces: The role of static and dynamic face information. *Brain Mapping: An Encyclopedic Reference*.