Kalanit Grill-Spector, Ph.D
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(i) Professional Training

1990 Ben-Gurion University, Israel, Electrical Engineering and Computer Science, B. Sc.,
1995 Weizmann Institute of Science, Israel, Computer Science, M. Sc.
2000 Weizmann Institute of Science, Israel, Computer Science and Neurobiology, Ph.D
1999-2001 MIT, Brain and Cognitive Sciences, Postdoctoral fellow

(ii) Appointments

1990-1992 Math teacher of honors level high school freshman and sophomore courses, Municipal High School Teit, Tel-Aviv, Israel
1995-1996 Lecturer, Pascal B.Sc. course, Open University, Tel-Aviv , Israel.
9/2001-6/2009 Assistant Professor, Department of Psychology, Stanford University
6/2009-2016 Associate Professor, Department of Psychology, Stanford University
9/2016- Professor, Department of Psychology, Stanford University

(iii) Teaching

1990-1992 Math teacher of honors high level high school freshmen and sophomore courses, Municipal High School, Teit, Tel-Aviv Israel.
1995 Math tutor in the science enrichment program for junior high school students, in the Weizmann Institute of Science, Rehovot, Israel.
1995-1996 Lecturer, Pascal B.Sc. course, Open University, Tel-Aviv, Israel.
1996-1997 Teaching assistant in Computer Vision, Weizmann Institute of Science, Rehovot, Israel.
2002- High Level Vision, graduate level course for psychology and neuroscience graduate students, Stanford University.
2002 Neural Basis of Object Recognition, Cold Spring Harbor Computational Neuroscience Summer school.
2002- Cognitive Neuroscience, graduate level course, Stanford University.
2002- Psychology Graduate Proseminar, guest lecture on neural basis of visual recognition, graduate level course, Stanford University
2003- Introduction to Perception, undergraduate level course, Stanford University.
2002- Introduction to Psychology, guest lecture on visual perception, undergraduate level course, Stanford University.
2004- Computational Neuroimaging: Data Analysis Methods, graduate level course, Stanford University.
2007 Functional magnetic resonance imaging of the human cortex, Cold Spring Harbor summer course: Imaging of the Nervous System.
2009- Cortical Plasticity, graduate level course for psychology and neuroscience graduate students, Stanford University

(iv) Honors and Awards

1987-1990	Awards of distinction in the freshman, sophomore and junior years.
1990	B.Sc. graduation with distinction.
1995-1998	Gerald and Thelma Estrin Scholarship (Weizmann Institute of Science).
1997	Aharon Katzir Fund (Weizmann Institute of Science).
1999	Rueff-Wormser Postdoctoral Fellowship (Weizmann Institute of Science).
2000	HFSP Long Term Fellowship
2004	Sloan Research Fellowship in Neuroscience
2006	Klingenstein Fellowship in Neuroscience

(v) Synergetic Activities and Professional Membership

1997-	Member, Society for Neurosciences (SFN), ARVO
2000-	Reviewer for the following journals: Nature, Science, Neuron, Nature Neuroscience, Nature Reviews, Nature Communications, PNAS, Psychological Science, PLOS, Current Biology, Journal of Neuroscience, Journal of Cognitive Neuroscience, Journal of Vision, Journal of Neurophysiology, Cerebral Cortex, NeuroImage, Trends in Neuroscience, Trends in Cognitive Sciences, Cognition, HPP, Memory and Cognition, Brain Structure and Function, Neuropsychologia, Acta Psychologica, and Brain Research
2001-	Chaired sessions in visual perception, object recognition and face perception in Society for Neuroscience and Vision Sciences Society Annual Conferences Reviewed Grant Proposals: NSF cognition and action panel; NSF cognitive neuroscience. Israeli Science Foundation; Belgium ministry of Science, Wellcome Trust.
2001-	Member, Vision Sciences Society (VSS)
2003	ARVO Mini symposium: *Shape Coding in the Ventral Visual Pathway*.
2001-2004	Member, Stanford Psychology health and safety committee
2002-	Member, Stanford Psychology undergraduate education committee
2003-	Development of data analysis tools for fMRI: The mrVISTA software package for fMRI data analysis has been developed as a collaborative effort between Dr. Brian Wandell's group and my group at Stanford University. The code is open-source and can be downloaded for free: http://white.stanford.edu/software.
2003	Panel member, NSF Cognitive Neuroscience Grant Review
2004	Organized the Computational Neuroimaging Workshop (CONI-Stanford University, July 15-16, 2004). The goal of the conference was to bring together scientists to discuss how computational methods can be applied to neuroimaging and how neuroimaging can facilitate computational models of human cognition and the human brain.
2004	Installation (Before Recognition) at the Krannert Art Museum, Ill (October 2004-Jan 2005), in collaboration with artist Pamella Davis, Prof. Haun Saussy, Dr. Bob Dougherty and Hyejean Suh.
2004	Participated in Society for Neuroscience mini symposium: *Plasticity in the Adult Visual System*.
2004-2009	Co-Director of BIAC (Brain Imaging and Analysis Center) at Stanford University
2004-present	Member, Organization of Human Brain mapping (OHBM)
2004-2005	Faculty Mentor, Stanford Undergraduate Psychology Association (SUPA)
2005	Lecture for the Association for Women Scientists (AWIS)

2005	Vision Sciences Society annual meeting reviewer
2005-2006	Faculty advisor, Psi Chi: The international honor society in Psychology
2006	Member, Committee on cognitive neuroscience and neurobiological instrumentation (CNNI) that reported to the Stanford University Provost on future directions for cognitive and neurobiological imaging.
2006	Reviewer, NIPS annual meeting paper reviewer
2005-2008	Editorial Board Member, NeuroImage
2005-2008	Annual meeting abstract reviewer: Vision Science Society (VSS)
2006-present	Member, International Neuropsychological Symposium (INS)
2007-2013	Undergraduate freshman and sophomore advisor, Stanford University,
2007	Organized a symposium in the annual meeting of Human Brain Mapping 2007: *Repetition and the Brain: From Neurons to Computational Models Using Multimodal Approaches.*
2008	Participated in the Society for Neuroscience mini-symposium: *Fine-scale spatial organization of face and object selectivity in the temporal lobe: do functional magnetic resonance imaging, optical imaging, and electrophysiology agree?*
2008-2009	Faculty 1000 of Biology, Cognitive Neuroscience Section
2009	Ad hoc reviewer, Central visual processing (CVP) NIH study section
2009-2010	Frontiers in Neuroscience: Review Editor
2009-2010	Member, Stanford Psychology Department Search Committee in Developmental Psychology
2010	Member, NSF Cognitive Neuroscience Grant Review Panel
2010-2011	Member, NIH central visual processing (CVP) Study Section
2008-2012	Editor, Journal of Vision
2009-present	Chair, Stanford Psychology Computing Committee
2009-2012	Member, Stanford Psychology Undergraduate Education Committee
2009-present	Board member, Cognitive Neurobiological Imaging (CNI) Center, Stanford University
2010-2012	Member, Stanford Sammy Kuo Neuroscience Award Committee for excellence in postdoctoral research
2011-2012	Member, Annual Meeting Program Committee for the Organization for Human Brain Mapping (OHBM)
2012	Chair, Stanford Sammy Kuo Neuroscience Award Committee
2012	Member of Cognitive Search Committee, Department of Psychology
2012	Organized & chaired a Nanosymposium in the annual meeting for the Society for Neuroscience; Extrastriate Cortex: Functional Organization Faces and Objects.
2012-2016	Member, Mechanisms of sensory, perceptual, and cognitive (SPC) processes study section, NIH Center for Scientific review.
2013	Panel member of SINTIN discussion on the BRAIN initiative
2013-14	Graduate Admission committee, Department of Psychology
2013-14	Reappointment committee, Cognitive area, Department of Psychology
2013-14	Search Committee, Cognitive Neuroscience area, Department of Psychology
2013-present	Chair, Courtesy appointment Committee, Department of Psychology, Stanford University
2014	Teaching innovation: New graduate level course: *The topography of visual cortex*

2014	Teaching innovation: *Introduced new lab component* to the graduate level course Computational Neuroimaging (Psych 204b), in which students collect and analyse fMRI data for their course project. Received 2 years support from the Associate Dean of Graduate and Undergraduate Studies to fund this lab component.
2014	Teaching innovation: *Illusion workshop*, Introduction to Perception (Psych 30)
2014-2015	Member, Interdisciplinary Scholars Committee, Stanford Neurosciences Institute
2014	Chair, Nanosymposium, Society for Neuroscience Annual Meeting
2014-2015	Promotion committee, Neuroscience area, Department of Psychology
2015-2016	Editor, Special issue of Neuropsychologia, Neurofunctional specificity in perceptual and cognitive systems, in memory of Dr. Shlomo Bentin
2014-2016	Scientific Advisory Board, Organization for Human Brain Mapping.
2015	Society for Neuroscience, Cognitive Neuroscience Social Chair.
2016	Chair, Department of Psychology Courtesy Appointment Committee
2016	Member, Department of Psychology Graduate Committee
2016	Member, Big Ideas Committee, Stanford Neurosciences Institute
2016	Chair, Nanosymposium, Society for Neuroscience Annual Meeting
2016-	Editor, NeuroPsychologia
2016	NSF Cognitive Neuroscience program, grant reviewer

(vi) Publications in Reverse Chronological Order

Peer Reviewed Publications

63. Grill-Spector K, Weiner KS, Kay K, Gomez J. (2017, In press) *The Functional Neuroanatomy of Human Face Perception* Vol. 3, doi: 10.1146/annurev-vision-102016-061214

62. Rosenke M, Weiner KS, Barnett MA, Zilles K, Amunts K, Goebel R, **Grill-Spector K**. (2017) *A cross-validated cytoarchitectonic atlas of the human ventral visual stream.* Neuroimage. 2017 Feb 16. pii: S1053-8119(17)30151-9. doi: 10.1016/j.neuroimage.2017.02.04

61. Gomez J, Barnett MA, Natu V, Mezer A, Palomero-Gallagher N, Weiner KS, Amunts K, Karl Zilles K, **Grill-Spector K** (2017). *Microstructural Proliferation in Human Cortex is Coupled with the Development of Face Processing.* Science, 355(6320):68-71. doi: 10.1126/science.aag0311.

60. Weiner KS, Barnett MA, Lorenz S, Caspers J, Stigliani S, Amunts K, Zilles K, Fischl B, and **Grill-Spector K.** (2016) *The Cytoarchitecture of Domain-specific Regions in Human.* Cerebral Cortex, in press, doi: 10.1093/cercor/bhw361

59. Natu VS., Barnett MA, Hartley J, Gomez JL, Stigliani A, and **Grill-Spector K.** (2016) *Development of Neural Sensitivity to Face Identity Correlates with Perceptual Discriminability.* Journal of Neuroscience, 36(42):10893–10907

58. Weiner KS, Jonas J, Gomez J, Maillard L, Brissart H, Hossu G, Jacques C, Loftus D, Colnat-Coulbois S, Stigliani A, Barnett MA, **Grill-Spector K***, Rossion B* (2016). *The Face-Processing Network Is Resilient to Focal Resection of Human Visual Cortex.* Journal of Neuroscience, 2016,36(32): 8425-8440. * equal contribution

57. Tian M, Yamins D, **Grill-Spector K** (2016) *Learning the 3-D structure of objects from 2-D views depends on shape, not format.* , Journal of Vision, 16(7):7, 1–17.

56. Deouell LY, **Grill-Spector** K, Malach R, Murray MM, Rossion B.(2016) Introduction to the special issue on functional selectivity in perceptual and cognitive systems--a tribute to Shlomo Bentin (1946-2012). Neuropsychologia. 2016 Mar;83:1-4. Epub 2016 Jan 28.

55. Witthoft N,Poltoratski S, Nguyen M, Golarai, Liberman A, LaRocque KF, Smith, ME, **Grill-Spector, K** (2016) *Developmental prosopagnosia is associated with reduced spatial integration in*

the ventral visual cortex. bioRxiv preprint first posted online Apr. 29, 2016; doi: http://dx.doi.org/10.1101/051102.

54. Golarai G, Liberman A, **Grill-Spector K.** (2015) *Experience shapes the development of neural substrates of face processing in the ventral temporal cortex.* Cerebral Cortex. 1–16, 2015, [Epub Dec 18th 2015]

53. Lorenz S, Weiner KS, Capers J, Mohlberg H,Schleicher A, Bludau S, Eickhoff SB, **Grill-Spector K**, Zilles K, and Amunts K (2015). *Two New Cytoarchitectonic Areas on the Human Mid-Fusiform Gyrus.* Cerebral Cortex, 1–13, 2015

52. Stigliani A, Weiner KS, **Grill-Spector K.** (2015). *Temporal processing capacity in high-level visual cortex is domain-specific.* J Neurosci. 35(36):12412-24.

51. Jacques C, Witthoft N, Weiner KS, Foster BL, Rangarajan V, Hermes D, Miller KJ, Parvizi J, **Grill-Spector K.** (2015) *Corresponding ECoG and fMRI category-selective signals in Human ventral temporal cortex.* Neuropsychologia. 83:14-28. [Epub July 23rd, 2015].

50. Weiner KS and **Grill-Spector K** (2015). *The evolution of face processing networks*. Trends in Cognitive Sciences, 19(5):240-241. [Epub March 31st 2015].

49. Tian M and **Grill-Spector K** (2015). *Spatiotemporal information during unsupervised learning enhances viewpoint invariant object recognition.* Journal of Vision 15(6):7,1–13,2015

48. Kay KN, Weiner KS, **Grill-Spector K** *(2015) Attention reduces spatial uncertainty in human ventral temporal cortex.* Current Biology, 25(5):595-600. [Epub Feb 19th 2015]

47. Gomez J, Pestilli F, Witthoft N, Golarai G, Liberman A, Poltoratski S, Yoon J, **Grill-Spector K.** (2015) *Functionally defined white matter reveals segregated pathways in human ventral temporal cortex associated with category-specific processing.* Neuron 85(1):216-27.

46. Hammer R, Sloutsky V, and **Grill-Spector, K** (2015) *Feature-saliency and feedback-information interactively impact visual category learning*, Front. Psychol. doi: 10.3389/fpsyg.2015.00074 eCollection 2015. [Epub Feb 19th 2015]

45. Rangarajan V, Hermes D, Foster BL, Weiner KS, Jacques C, Grill-Spector K, Parvizi J. (2014) *Electrical stimulation of the left and right human fusiform gyrus causes different effects in conscious face perception.* J Neurosci. 2014 Sep 17;34(38):12828-36.

44. **Grill-Spector K,** Weiner KS (2014). *The functional architecture of the ventral temporal cortex and its role in categorization. Nat Rev Neurosci. 2014 Aug;15(8):536-48. Epub 2014 Jun 25.*

43. Weiner KS, Golarai G, Caspers J, Chuapoco MR, Mohlberg H, Zilles K, Amunts K, and **Grill-Spector K** (2014). *The mid-fusiform sulcus: A landmark identifying both cytoarchitectonic and functional divisions of human ventral temporal cortex. NeuroImage*, 84:453-65. Epub 2013 Sep 8.

42. Witthoft N, Nguyen ML, Golarai G, Larocque KF, Liberman A, Smith ME, **Grill-Spector** K. (2014) *Where Is Human V4? Predicting the Location of hV4 and VO1 from Cortical Folding.*

Cereb Cortex. Sep;24(9):2401-8. Epub 2013 Apr 16.

41. LaRocque KF, Smith ME, Carr VA, Witthoft N, **Grill-Spector K**, & Wagner AD **(2013)** *Global Similarity and Pattern Separation in the Human Medial Temporal Lobe Predict Subsequent Memory. Journal of Neuroscience, 2013 Mar 27;33(13):5466-74*

40. Parvizi J, Jacques C, Foster BL, Witthoft N, Ramgargajan V, Weiner KS, **Grill-Spector K. (2012).** *Electrical stimulation of human fusiform face-selective regions distorts face perception.* Journal of Neuroscience. 2012 Oct 24;32(43):14915-20.

39. Feldman HM, Lee ES, Loe IM, Yeom KW, **Grill-Spector K,** Luna B. **(2012)** *White matter microstructure on diffusion tensor imaging is associated with conventional magnetic resonance*

imaging findings and cognitive function in adolescents born preterm. Dev Med Child Neurol. 2012 Sep;54(9):809-14. Epub 2012 Jul 16.

38. Weiner, K.S. and **Grill-Spector, K**. (2012) *Synchrony upon repetition: One or multiple mechanisms?* Cognitive Neuroscience, Volume 3, issue 3-4, Epub March 26th 2012. Commentary on Repetition priming and repetition suppression: a case for enhanced efficiency through neural synchronization.

37. Weiner KS, **Grill-Spector K.** (2012) *The improbable simplicity of the fusiform face area.*

Trends Cogn Sci.16(5):251-4. [Epub 2012 Apr 3.]

36. Hammer, R, Sloutsky V, **Grill-Spector K** (2012) *The Interplay between Feature-Saliency and Feedback Information in Visual Category Learning Tasks.* In N. Miyake, D Peebles, & RP Cooper (Eds), Proceedings of the 34th Annual Conference of the Cognitive Science Society (pg. 84-89). Austin, TX: Cognitive Science Society.

35. Davidenko N, Remus DA, **Grill-Spector K**. (2012). *Face-likeness and image variability drive responses in human face-selective ventral regions.* Hum Brain Mapp. 2012 Oct;33(10):2334-49. Epub 2011 Aug 5.

34. Weiner KS **and Grill-Spector K.** (2011) *Neural representations of faces and limbs neighbor in human high-level visual cortex: evidence for a new organization principle.* Psychological Research, Special Issue on "Vision, Action and Language Unified through Embodiment. Epub Dec 3 2011.

33. Weiner KS and **Grill-Spector K**. (2011*). Not one extrastriate body area: using anatomical landmarks, hMT+, and visual field maps to parcellate limb-selective activations in human lateral occipitotemporal cortex.* Neuroimage. 56(4):2183-99. Epub 2011 Mar 22.

32. Weiner KS and **Grill-Spector K.** (2010) *Sparsely-distributed organization of face and limb activations in human ventral temporal cortex.* Neuroimage. 52(4):1559-73. Epub 2010 May 10.

31. Weiner KS, Sayres R, Vinberg J, **Grill-Spector K.** (2010) *fMRI-adaptation and category selectivity in human ventral temporal cortex: regional differences across time scales.* Journal of Neurophysiol. 103(6):3349-3365. Epub 2010 Apr 7.

30. Golarai G, Hong S, Haas BW, Galaburda AM, Mills DL, Bellugi U, **Grill-Spector K** and Reiss AL (2010) *The fusiform face area is enlarged in Williams syndrome.* Journal of Neuroscience. 30(19):6700-12.

29. Golarai G, Liberman A, Yoon JMD, **Grill-Spector K.** (2010) *Differential development of the ventral stream extends through adolescence.* Frontiers in Neuroscience. http://frontiersin.org/neuroscience/humanneuroscience/paper/10.3389/neuro.09/080.2009

28. Witthoft N, Davidenko N, and **Grill-Spector K.** (2009) *Exemplar Distribution Affects Unsupervised Learning of Shapes*. In N.A. Taatgen & H. van Rijn (Eds.), *Proceedings of the 31th Annual Conference of the Cognitive Science Society*.

27. Grill-Spector K, and Witthoft N (2009). *Deos the bairn not raed ervey lteter by istlef, but the wrod as a wlohe?* Neuron 62(2):161-162.

26. Andresen DR, Vinberg J**, Grill-Spector K.** (2009). *The representation of object viewpoint in the human visual cortex*. NeuroImage 45(2): 522-536. Epub. Nov 25th, 2008.

25. Op de Beeck H, DiCarlo J, Goense J, **Grill-Spector K**, Papanastassiou A, Tanifuji M and Tsao D (2008). *Fine-scale spatial organization of face and object selectivity in the temporal lobe: Do fMRI, optical imaging, and electrophysiology agree?"*J Neuroscience. 28(46):11796-801.

24. Sayres R, and **Grill-Spector K** (2008): *Relating retinotopic and object-selective responses in human lateral occipital cortex.* J Neurophysiol. 100(1):249-67. Epub 2008 May 7th. PMCID: PMC2493478

23. Grill-Spector K, and Sayres R (2008). *Object recognition: insights from advances in fMRI methods.* Current Directions in Psychological Sciences, 17 (2): 77-79.

22. Grill-Spector K, Golarai G, and Gabrieli JDE (2008). *Developmental Neuroimaging of the Human Ventral Visual Cortex*. Trends in Cognitive Science, 12(4) 152-162.

21. Vinberg J, and **Grill-Spector K** (2008) *Representation of shapes, edges, and surfaces across multiple cues in the human visual cortex.* J Neurophysiol. 99(3):1380-1393. Epub: Jan 2, 2008;

20. Golarai G, Ghahermani DG, Whitefield-Gabrieli S, Reiss A, Eberhardt JL, Gabrieli JDE, **Grill-Spector K** (2007) *Differential development of high-level visual cortex correlates with category-specific recognition memory*. Nat Neurosci. 10(4):512-22.

19. Grill-Spector K, Sayres RA, and Ress D (2006). *High-resolution imaging reveals highly selective nonface clusters in the fusiform face area.* Nature Neuroscience 9(9):1177-85. Corrigendum: Nature Neuroscience. 2007 Jan;10(1):133.

18. Golarai G, **Grill-Spector K,** Reiss AL (2006). *Autism and the development of face processing.* Clinical Neuroscience Research, 6(3-4), 145-160. PMCID: PMC2174902

17. Grill-Spector K (2006). *Selectivity of adaptation in single units: implications for fMRI experiments*. Neuron, 49(2):170-171.

16. Sayres R, Ress D, and **Grill-Spector K** (2005) *Identifying distributed object representations in human extra-striate visual cortex.* Neural Information Processing Systems, Conference proceedings, 2005. Epub 5/12/2005.

15. Grill-Spector K, Henson R, and Martin A. (2006). *Repetition and the Brain: Neural Models of Stimulus-Specific Effects*. Trends in Cognitive Science, 10(1) 14-23. **This paper has been cited more than 1000 times.**

14. Sayres R, and **Grill-Spector K** (2006). *Object-selective cortex exhibits performance-independent repetition-suppression.* Journal of Neurophysiology 95(2): 995-1997. Epub 10/19/2005.

13. Grill-Spector K, and Kanwisher N (2005). *Visual recognition, as soon as you see it you know what it is.* Psychological Science,16(2):152-160

12. Grill-Spector K, and Malach R (2004). *The human visual cortex*. Annual Reviews Neuroscience*. 27, 649-77.*

11. Grill-Spector K, and Kanwisher N (2004) *The fusiform face area subserves face perception, not generic within-category identification.* Nature Neuroscience, 7(5) 555-62.

10. Grill-Spector K (2003). *The neural basis of object perception.* Current Opinion in Neurobiology, 13(2): 159-166.

9. Grill-Spector K (2001). *Semantic versus perceptual priming in the fusiform cortex.* TICS, 5(6):227-228.

8. Grill-Spector K, and Malach R (2001). *fMR-Adaptation: a tool for studying the functional properties of human cortical neurons.* Acta Psychologica, 107, 293-321.

7. Grill-Spector K, Kourtzi Z, and Kanwisher N (2001). *The lateral occipital complex and its role in object recognition*. Vision research 41, 1409-1422.

6. Grill-Spector K, Kushnir T, Hendler T, and Malach R. (2000). *The dynamics of object-selective activation correlate with recognition performance in humans*. Nature Neuroscience, 3(8):837-843.

5. Grill-Spector K, Kushnir T, Edelman S, Avidan G, Itzchak Y and Malach R, (1999). *Differential processing of objects under various viewing conditions in the human lateral occipital complex.* Neuron, 24, 187-203.

4. Edelman S, **Grill-Spector K**, Kushnir T, and Malach R. (1998*). Towards direct visualization of the internal shape space by fMRI.* Psychobiology, 26, 309-321.

3. Grill-Spector K, Kushnir T, Edelman S, Itzchak Y and Malach R. (1998). *Cue invariant activation in object-related areas of the human occipital lobe.* Neuron, 21(1) 191-202.

2. Grill-Spector K, Kushnir T, Hendler T, Edelman S, Itzchak Y and Malach R. (1998*). A sequence of early object processing stages revealed by fMRI in human occipital lobe.* Human Brain Mapping, 6(4), 316-328.

1. Grill Spector K, Edelman S, and Malach R (1995). *Anatomical origin and computational role of diversity in the response properties of cortical neurons* in Advances in Neural Information Processing Systems 7, 117-124, G. Tesauro, D. Touretzky, J. Alspector, eds., Morgan Kauffman.

Peer Reviewed Book Chapters in Reverse Chronological Order:

10. Grill-Spector K, Weiner KS and Kay K (2017) *The functional neuroanatomy of face processing: Insights from Neuroimaging* in Deep Learning for Biometrics, Edited by Bir Bhanu and Ajay Kumar, Springer.

9. **Grill-Spector** K and Weiner KS (2014) *The functional architecture of human ventral temporal cortex and its role in visual perception.* In the New Cognitive Neurosciences, Edited by Mangun & Gazzaniga.

8. Grill-Spector K (2010). *Advancements in fMRI Methods: what can they inform about the functional organization of the human ventral stream*? In Foundational Issues of Human Brain Mapping, edited by Hanson S, MIT Press.

7. Grill-Spector K (2009) *Object Perception: Physiology,* in the Encylopedia of Perception, Edited by Bruce Goldstein. Sage Publications.

6. Grill-Spector K (2009) *What has fMRI taught us about object recognition?* In Object Categorization: Computer and Human Vision Perspectives, Edited by Dickinson S, Tarr M, Leonardis A, and Schiele B, Cambridge University Press.

5. Grill-Spector K, and Golarai G (2008*). Differential maturation of the human ventral stream. In Cortical Mechanisms of Vision*. Pages:119-139. Edited by Laurence Harris and Michal Jenkin, Cambridge University Press.

4. Grill-Spector K (2008) *Visual priming.* In Learning and Memory: a Comprehensive Reference. Section 3: Systems Neuroscience. Chapter 3.12. Edited by Howard Eichenbaum and John Bryne. Elsevier. Oxford, UK.

3. Kourtzi Z and **Grill-Spector K** (2005). *fMRI-adaptation: a tool for studying visual representations in the primate brain*. In fitting the Mind into the World: Adaptation and aftereffects in high-level vision, Advances in Visual Cognition. Editors: G. Rhodes and C. Clifford. *Oxford University Press*

2. Grill-Spector K (2003). *The Occipital Lobe,* The Encyclopedia of Neurological Sciences. Editors, M. Aminoff and R. Daroff, Academic Press

1. Grill-Spector K (2003). *The functional organization of the ventral visual pathway and its relationship to object recognition.* Attention and Performance XX. Functional Brain Imaging of Visual Cognition, 169-193, Editors: N. Kanwisher and J. Duncan, Oxford University Press.

Manuscripts under review:

Bugatus L, Weiner KS, **Grill-Spector K.** *Task alters category representations in prefrontal but not high-level visual cortex.*

Weiner KS, Barnett MA, Witthoft N, Golarai G, Stigliani A, Kay KN, Gomez J, Natu V, Katrin Amunts K, Zilles K, **Grill-Spector K** *Defining the most probable location of place-selective voxels in the human ventral-temporal lobe using cortex-based alignment and cross-validation.*

Stigliani A, Jeska B, **Grill-Spector K** (2017) *An encoding model of temporal processing in human visual cortex*. bioRxiv 108985; doi: https://doi.org/10.1101/108985

Miller CH, Goetz Davis E, King LS, Sacchet MD, **Grill-Spector K,** Goltib IH*. The Structure of Depressive Symptoms and Characteristics and Their Relation to Overall Severity in Major Depressive Disorder*

(vii) Mentoring

My lab includes both male and female students of various ethnicities:

Current Research Associates:

Kevin Weiner (7/16-present kweiner@stanford.edu)

Current Postdoctoral Fellows:

Vaidehi Natu (July 13-present, vnatu@stanford.edu)
Marieke Grotheer (6/16-present, mgrotheer@stanford.edu)

Current Graduate Students

Eshed Margalit Neuroscience PhD Program (Sep 16-present, eshedm@stanford.edu)
Lior Bugatus Psychology, Ph.D. program (Sep 13-present, liorbu@stanford.edu)
Jesse Gomez Neuroscience PhD Program (Sep 12-present, jgomez@stanford.edu)
Anthony Stigliani Psychology, Ph.D. program (Sep 12-present, astiglia@stanford.edu)
Mona Rosenke Psychology, Ph.D. program (15-present, rosenke@stanford.edu)

Current Undergraduate Research Assistants

Megha Srivastava CS, (Winter 2015-present, meghas@stanford.edu)
Siobhan Cox Human Biology (15-present, siobhanc@stanford.edu)

Current Visiting Scholars:

Swaroop Guntapalli from Dartmouth University (15-present, swaroopgj@gmail.com)
Zonglei Zhen from Beijing normal University (8/16-present, zhenzonglei@qq.com)

Lab Manager

Brianna Jeska (7/15-present, bjeska@stanford.edu)
Michael Barnett (7/13-7/16, micalan@sas.upenn.edu, presently graduate student in UPenn Neuroscience program)

Past Research Associates

Golijeh Golarai	(06-12/31/2015, ggolarai@stanford.edu)
Nathan Witthoft	(13-3/31/2016, witthoft@stanford.edu)

Past Postdoctoral Fellows

Kevin Weiner	(11-16, kweiner@stanford.edu)
Kendrick Kay	Postdoctoral fellow (13, jointly with Dr. Brian Wandell), kendrick.kay@wustl.edu, *currently Assistant Professor, University of Minnesota, Radiology*
Nathan Witthoft	Postdoctoral fellow (07-13), witthoft@stanford.edu), *currently Research Associate in Brian Wandell's lab at Stanford.*
Nicolas Davidenko	Postdoctoral fellow (06-12), ndaviden@ucsc.edu, currently *Assistant Professor in Psychology, UCSC.*
Corentin Jacques	Postdoctoral fellow (10-12), corentin.g.jacques@uclouvain.be, *currently Senior Research Fellow, University of Leuven, Belgium.*
Rueven Hammer	Postdoctoral fellow (09-11), rubihammer@gmail.com, currently *postdoctoral fellow in Northwestern University, Chicago*
Rory Sayres	Postdoctoral fellow (07-09, jointly with Dr. Brian Wandell), sayres@gmail.com *currently Quantitative User Experience Researcher at Google.*
Dave Andresen	Postdoctoral fellow (03-07), dandresen@pugetsound.edu, *currently Associate Professor of Psychology in University of Pouget Sound.*
Golijeh Golarai	Postdoctoral fellow (03-05, jointly with Dr. John Gabrieli), ggolarai@stanford.edu,
Sven Heinrich	Postdoctoral fellow (03-05 sven.heinrich@uniklinik-freiburg.de), *currently Deputy Head of the Section for Functional Vision Research, Universitat Klinikum Freiburg, Germany*

Past Graduate students

Moqian Tian	Psychology, Ph.D. program (10-16, tmq010@gmail.com), *currently Senior research assistant in Metavision*
Kevin Weiner	Psychology, Ph.D. program (06-11, kweiner@stanford.edu), *currently research associated in my lab*
David Remus	Psychology, Ph.D. program (04-10, remus@stanford.edu), *currently Analytics Manager at Square*
Jennifer Yoon	Psychology, Ph.D. program (05-09, davie.yoon@gmail.com),
HyJean Suh	Applied Physics Ph.D (05-08, hyejean.suh@gmail.com), *currently stay at home mother*
Rory Sayres	Neuroscience Ph.D program (02-07, sayres@gmail.com), *currently Quantitative user experience researcher at Google.*
Janelle Weaver	Psychology Ph.D program (01-06, weaver.janelle@gmail.com), *currently science writer, self-employed*

Past Co-term (Masters) students

Joakim Vinberg	Psychology (05-06, vinberg@gmail.com
Sungjin Hong	Psychology (07-08, parrah@gmail.com)

Past Undergraduate Honors thesis

Makiko Fujimoto	Symbolic systems (10-14, makikof@stanford.edu), Received the **2014 Firestone Medal** for excellence in undergraduate research, currently, *Co-term student in CS at Stanford University*

Mai Lin Nguyen	Psychology (10-12, mlin.nguyen@gmail.com) Received the **2012 Firestone Medal** for excellence in undergraduate research, *currently a graduate student in Neuroscience, Princeton University*
Ted Kelly	Psychology (10-11, kelly.ted@gmail.com), *presently medical school.*
Sonia Poloratski	Psychology (08-09, soniapolt@gmail.com), received the **2009 Firestone Medal** for excellence in her undergraduate research, *currently a graduate student in Psychology,Vanderbilt University.*
Joakim Vinberg	Human Biology (04-05, vinberg@gmail.com), *currently Sr. Biopharmaceutical Sales Representative, Oncology, at Amgen*

Past Research Undergraduate Research Assistants

Leonard Lupin	Physics, undergraduate, (spring 15, lupify@stanford.edu)
Steven Shepard	Engineering, undergraduate (spring 15, shepard7@stanford.edu)
Amy Bearman	CS, undergraduate (winter 15, abearman@stanford.edu)
Emily Tang	Computer Science and Psychology (13-15, emjtang@stanford.edu)
Jake Hartley	Psychology, undergraduate (13-14, jakemh@stanford.edu)
Matt Rolfo	Symbolic Systems (13-14, rolfom01@gmail.com)
Manuel Herrera Leon	Psychology, undergraduate (11-13, manuelh1@alummi.stanford.edu)
Miggy Chuapoco	Chemical Engineering, undergraduate (12-13, mchuapoc@stanford.edu)
Mai Lin Nguyen	Psychology, undergraduate (09-12, mlin.nguyen@gmail.com), *presently in neuroscience graduate program in Princeton University*
Alina Liberman	Psychology, undergraduate (07-11, alinalib@gmail.com) *obtained a PhD in Neuroscience from UC Berkeley in 2016.*
Elizabeth B. Navarro	Psychology, undergraduate (10-11, navarro3@stanford.edu)
Julianne M. Cirenza	Psychology, undergraduate (10-11, jcirenza@stanford.edu)
Gabriel Benarros	Psychology & Economics, undergraduate (10-11, bennaros@stanford.edu)
Alex Carney	Undeclared, undergraduate (08-09, abcarney@stanford.edu)
Sungjin Hong	Mechanical Engineering, graduate (06-08, parrah@gmail.com)
Kathleen M. Ojeda	Psychology, undergraduate (08-09 ko@dosoftware.com)
Jieun Oh	Symbolic Systems, undergraduate (05-06 jieun5@stanford.edu)
Joakim Vinberg	(06-08, vinberg@gmail.com)
Sookyung Kim	(02-03)
Prateek Bansal	EE, graduate (01-03)

Past Freshman & Sophomore Advisees

Corine Bart	10-12 cbart@stanford.edu
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Alex Daniel Debniak 08-09 adebniak@stanford.edu
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Nora Rika Lindstrom 08-09 noralind@stanford.edu
Emma Rose Miller-Bedell 08-09 emmarose@stanford.edu
Saliou Webber Ndao 08-09 saliou@stanford.edu
Will Perl 08-09 pl.will@gmail.com
Kim Saloner 08-09 ksaloner@stanford.edu
Aaron Alexander Sarnoff 07-08 sarnoff@stanford.edu
Ariane Claire Tom 07-08 arianex@stanford.edu
Michelle Sung Wie 07-08 mwie@stanford.edu
Sara Marin Broski 11-13 sbroski@stanford.edu
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Estevan Santiago 11-13 esantiag@stanford.edu
Raena Sumiyoshi 11-13 rsumi@stanford.edu
Marek Twarzynski 11-13 marekt@stanford.edu
Niko Varella 11-13 niko44@stanford.edu
Aaron Williams 11-13 awill713@stanford.edu

Member of Ph.D Dissertation Committee

Christopher Baldassano (Computer Science Ph.D. candidate)
Alyssa Brewer (Neuroscience Ph.D. candidate)
Justin Brown (Neuroscience Ph.D. candidate)
Marius Cătălin Iordan (Computer Science PhD. Candidate)
Nicolas Davidenko (Psychology Ph.D. candidate)
Nicole Dudkovitch (Psychology Ph.D. candidate)
Dara Gharhemani (Psychology Ph.D. candidate)
Stephen Gould (Computer Science PhD. Candidate)
Jesse Lee Gomez (Neuroscience Ph.D. candidate)
Chris Miller (Neuroscience Ph.D. candidate)
Adam November (Psychology Ph.D. candidate)
Rosanna Olsen (Psychology Ph.D. candidate)
Benjamin Packer (Computer Science PhD. Candidate)
Allison Preston (Psychology Ph.D. candidate)
Elizabeth Race (Neuroscience Ph.D. candidate)
David Remus (Psychology Ph.D. candidate)
Rory Sayres (Neuroscience Ph.D. candidate)
Anthony Stigliani (Psychology, Ph.D. candidate)
Hyejean Suh (Physics Ph.D. candidate)
Moraiah Thompson (Neuroscience Ph.D. candidate)
Moqian Tian (Psychology, Ph.D. candidate)
Janelle Weaver (Psychology Ph.D. candidate)
Kevin Weiner (Psychology Ph.D. candidate)

(viii) Service on Journals

2000-present **Reviewed manuscripts for the following journals:** Nature, Science, Neuron, Nature Neuroscience, Nature Reviews, Nature Communications, PNAS,

Psychological Science, PLOS, Current Biology, Journal of Neuroscience, Journal of Cognitive Neuroscience, Journal of Vision, Journal of Neurophysiology, Cerebral Cortex, NeuroImage, Trends in Neuroscience, Trends in Cognitive Sciences, Cognition, HPP, Memory and Cognition, Neuropsychologica, Acta Psychologica, Brain Research, Brain Structure and function.

2005- 2009 **Editorial Board,** Neuroimage
2008-2012 **Editor,** Journal of Vision.
2009 **Reviewing Editor,** Frontiers in Neuroscience
2015-2016 **Editor,** Special issue, Neuropsychologia
2016-present **Editor,** Neuropsychologia

(ix) Research Support

Current Funded Grants

NIH 1R01EY02391501A1 09/01/2014 - 08/31/2019
Functional-neuroanatomy of High-level Visual Cortex: A Quantitative Multimodal Approach
Role: PI
Goal: Use fMRI, DTI and cytoarchitectonics to determine the functional neuroanatomy of human high-level visual cortex

NIH: RO1EY02988-A1 09/01/2012 - 08/31/2017
Longitudinal Investigations of the Development of Face Processing Role: PI
Goal: Determine longitudinally the behavioral and neural development pertaining to face recognition abilities.

NIH: 10/01/2012 – 06/30/2017
Gene, Brain and Behavior in Turner Syndrome Role: Co-PI
Goal: Determine the role of puberty hormone in shaping function in visual cortex in Turner Syndrome

Submitted/Pending Grants

NIH 1R01EY026500-01 Role: PI
Neural and computational mechanisms underlying behavioral impairments in face perception
** Grant did not get funded*

BioX Seed Grant, Stanford University PI: Jennifer A. McNab, Radiology, SoM, Role: co-PI
Elucidating the microarchitecture of high-level human cortical regions involved in visual recognition using integrated CLARITY and MRI measurements
** Grant passed first competition stage, but did not get funded*

Completed Research Support

NIH 1 R01 EY019279-01A1 4/1/2009-3/31/2015
MRI and behavioral studies of unsupervised learning in high level visual cortex Role: PI
*Goa*l: Determine how the temporal and spatial statistics during unsupervised learning of new visual categories shape both brain representation and visual discrimination and recognition performance.

Stanford Arts Institute's artsCatalyst grant Sept 2013, Sept 2014
Goal: Partially fund trip to the Exploratorium for Psych30 undergraduate students.

NSF: BCS 0920865 9/1/2009-9/30/2013
Face perception: mapping psychological spaces to neural responses Role: PI
Goal: Determine how neural responses in the ventral stream relate to face perception and support our ability to identify individual faces and understand the dimensions of neural face spaces.

Stanford VPUE 9/1/2012-12/31/2012
VPUE grant for introducing new technologies to undergraduate education Role: PI
Goal: Generate online material and resources for Psych 30: Introduction to Perception

Weston Havens foundation (PI: Moore and Grill-Spector)
3/2008-3/2011
Functional Neuroimaging of Attention Networks in Behaving Monkeys Role: Co-PI
Goal: To establish an fMRI system for awake behaving monkeys at Stanford University.

Stanford BIO-X IIP Award (PI: Moore and Grill-Spector) 9/1/2008-8/31/2011
Functional Neuroimaging of Attention Networks in Behaving Monkeys: Bridging Human and Monkey Model Systems Role: Co-PI
*Goa*l: Leveraging the combined expertise of the Moore and Grill-Spector laboratories we propose to conduct functional magnetic resonance imaging (fMRI) studies of visual attention networks in behaving monkeys.

NSF: BCS-0617688; 9/1/2006-8/31/2010
Neural Correlates of Maturation of Face Processing; Role: PI
Goal: To determine the behavioral maturation of processing stages in object and face perception and the relation between behavioral maturation and maturation of face and object-selective cortex.

NIH: 1R21EY017741 7/1/2006-6/30/2010
Development of Face Perception and Recognition Role: PI
Goal: To determine the maturation of the trajectory of maturation of the human ventral stream, in comparison to the maturation of retinotopic cortex.

Klingenstein Fellowship in Neuroscience 7/1/2006-6/30/2009
Neural correlates of development of visual perception in school age children. Role: PI
Goal: The goal is to develop methods to study the neural correlate of the development of perception in school-age children.

Whitehall Foundation Grant: 2005-05-111-RES 5/1/2005-4/30/2009
Neural basis of object recognition in humans: Features, objects or categories? Role: PI
Goal: To determine whether selectivity of responses in object-selective cortex is based on features, whole objects or categories using a combination of high-resolution imaging and psychophysics

The Salk Institute for Biological Studies 404916 (PI: Reiss) 4/5/2004-2/28/2008
Functional Neuroanatomy of Williams Syndrome Role: Other Investigator
Goal: measure the functional and anatomical properties of Williams Syndrome

NIH: 1R21EY016199 6/1/2005-8/31/2008
Fine scale functional organization of human object-selective cortex. Role: PI
Goal: examine the fine-scale functional organization in object-selective cortex using high-resolution fMRI.

Sloan Research Fellowship; 9/16/2004-9/15/2006
Neuroscience Role: PI
*Go*al: To develop methods for high-resolution fMRI in high level visual areas.

NSF BCS-0345920 4/1/2004-9/30/2006
The neural basis of visual priming. Role: PI
Goal: To determine whether visual priming is related to adaptation as measured by fMRI or that adaptation reflects other processes such as attention or neural habituation.

NIH-1R21MH66747-01 (PI: Jennifer Eberhart) 9/1/2002-7/31/2004
Development of race bias in face recognition. Role: Co-PI
Goal: To determine how expertise at the majority face category (e.g. cacausian faces) may influence biases and lack of expertise at non-majority categories: an integrated fMRI and behavioral study.

NIH-1R21 DA 15893-01 (PI: John Gabrielli) 9/27/2002-6/30/2003
Development of Face Processing. Role: Co-PI
Goal: To determine how neural mechanisms involved in face processing develop during childhood.

HSFP long-term fellowship. LT0680/2000-B Role: fellow 4/1/2000-8/31/2001
Investigations of rapid object recognition: an integrated neuronal and behavioral approach.
Goal: Determine the neural basis of rapid face and object recognition by comparing brain activation with performance at various face and object recognition tasks.

PI for Pre-and Postdoctoral Fellowships

1F31EY027201-01 (Gomez) 09/26/2016 to 10/25/2017
Development of Macromolecular Tissue in Visual Cortex and its role in Emerging Function and Behavior

Postdoctoral Research Fellowship, Forschungsstipendium, DFG (Grotheer) 6/1/2016-5/31/2018

China Scholarship Council, 20160604519 (Zhen), Visiting Scholar 8/1/2016-7/31/2017

1 F32 EY028044-01 (Poltoratski)
Sonia *Modeling spatial representations in ventral temporal cortex*
** Grant pending*

NIH 1F32EY018279-01A1 (Davidenko) 1/16/2008-1/15/2011
Parametric investigation of the neural representation of faces Role: PI
Goal: study the response properties face-selective cortex in humans with fMRI using a generative face model based on parameterized face silhouettes.

NIH-F32EY018533 (Witthoft) 1/10/2007 - 9/30/2010
Mapping psychological spaces to neural responses Role: PI
Goal: Test similarity based models of within category visual object representation using psychophysics and fMRI.

NIH 5 F31 EY015937 (Sayres) 1/16/2004-12/31/2006
Fine-scale object representation in human visual cortex Role: PI
Goal: identify the fine-scale structure of single-object representation in human visual cortex using high-resolution fMRI imaging

NIH 5F3 2EY015045 (Andresen) 9/2003-8/2006
Neural bases of invariant object recognition in humans Role: PI
Goal: reveal the functional organization of high-level visual cortex with respect to the representations underlying invariant object recognition.

(x) Invited Lectures

2017 **1.** Stanford Medical School, April
2. OHBM Education course: Why it all comes back to Anatomy, June
3. OHBM Keynote lecture, June

2016 **1.** Neuroscience colloquium, Georgetown University, March.
2. SUNY, NYC, colloquium, March;
3. Seminar for the Department of Ophthalmology at Stanford, March.
4. TDLC-DART Seminar series, USCD, April. **5.** MBC talk, Stanford, April.
6. Weizmann University, July.
7. Ben Gurion University, July.
8. Hebrew University, July.
9. Invited keynote talk @IEEE BTAS September.
10. Neuroscience colloquium, University of Utah, September.
11. Invited speaker, Stanford Neurosciences Retreat, October.

2015 **1.** Conference on Faces, Bodies and Voices: Multimodal Mechanisms of Person Recognition, Israel, March;
2. Klingenstein-Simons Fellowship Awards Meeting, NYC, May;
3. Talk at Vision Sciences Society Annual Meeting, May.
4. Summer Institute in Cognitive Neuroscience (SICN), Santa Barbara, June.
5. Bay Area Vision Meeting (BAVRD), Berkeley, Sep.
6. Center for Brain Science, Harvard, Dec.

2014 **1.** Neuroscience colloquium, University of British Columbia, Vancouver, March;
2. Invited speaker, Association for Psychological Science Annual meeting, San Francisco, May;
3. Colloquium, Department of Neurobiology, Weizmann Institute of Science, July Israel.
4. Colloquium, Department of Psychology, Tel-Aviv University, July.
5. Keynote lecture: Repetition Suppression Workshop, Jena University, September.

2013 **1.** George Washington University, March;
2. VSS symposium on Decoding and the spatial scale of cortical organization, May.
3. The New Cognitive Neurosciences Workshop, June;
4. BACI conference, Symposium on Functional Selectivity: reality or wishful thinking? Geneva, September.

5. University Catholique Louvain, September
6. Masstricht University, September.
7. SINTIN retreat, October. Berkeley University, December.

2012 **1. Psychology Colloquim** UPENN, CCN, March;
2. Beijing Normal University, June;
3. Allen Institute, Seattle, September;
4. Neuroscience Colloquium, NYU, September;
5. International Face Symposium, Okazaki, Japan, October;

2011 **1.** Bay Area Vision Meeting (BAVM), Google, Mountain View, February**;**
2. Chaucer Club Series at the MRC Cognition and Brain Sciences Unit, Cambridge, UK, March.
3. University of Rochester, Center for Visual Science talk, April;
4. Schepens Eye Research Institute, Harvard, Boston, December;
5. Berlin Days, December, Berlin;

2010 **1.** UC Davis Perspectives in Neuroscience lecture series, March;
2. Functional MRI (fMRI) Speaker Series at the University of Michigan, April;
3. CAOS conference, Rovereto, May; Stanford Neuroscience Retreat,
4. Neuroscience Retreat, Stanford, Parajos Dunes, October;

2009 **1.** Mechanisms of Cognition, Learning and Memory, Bochum, Germany, Feb;
2. Department of Neurobiology, Weizmann Institute of Science, Israel, Feb.
3. Department of Psychology, Tel -Aviv University, Feb.
4. Society for Research in Child Development (SRCD) workshop on the development of face processing, April, Denver, CO.
5. Conference on Neurocognitive Development, July, Berkeley, CA.
6. Computational Cognitive Neuroscience Conference Boston, Nov.
7. Department of Psychology colloquium, Princeton University, Dec.

2008 **1.** Seventh Annual Neuroesthetics Conference, Berkeley, Jan.
2. Baylor College of Medicine, Neuroscience Seminar, March.
3. Perceptual Expertise Network, Chicago, Oct.
4. SFN minisymposium: Fine-scale spatial organization of face and object selectivity in the temporal lobe: Do fMRI, optical imaging, and electrophysiology agree? Nov.
5. Dept. of Neuroscience, Brown University, Dec.
6. Google Tech Talk. Dec. Mountain View, CA.

2007 **1.** Oxyopia talk, UC Berkeley, February;
2. OHBM Symposium: Repetition and the Brain, June;
3. Cortical Mechanisms of Vision **(**CVR) conference: Cortical Mechanisms of Vision, York University, June.
4. Cold Spring Harbor Course on Imaging of the nervous system, August,
5. ICCV workshop on object recognition, October; Brain and Cognitive Sciences Colloquium, MIT, Nov.
6. Cognition, Brain, and Behavior Research Seminar, Harvard.

2006 **1.** COSYNE workshop on the next generation of fMRI, March.
2. University of Western Ontario Psychology colloquium, March;
3. Helmholtz lecture, University of Utrecht, April.
4. IMA workshop on Visual Learning and Recognition, University of Minnesota, May.
5. Psychology colloquium UC Santa Barbara, October;
6. Society for Neuroscience Annual Meeting, October;
7. Computational Neuroscience Conference, Houston, November.

2005 **1.** MSRI workshop on visual recognition, Berkeley, March;
2. Neuroscience colloquium, USCD, April.
3. Psychology colloquium, UCSC, April.
4. Lecture at the Association for Women in Science, AWIS, Palo Alto, May.
5. International Neuropsychology Symposium (INS), June.
6. Weizmann Institute Neurobiology symposium, July;
7. Wohl Institute for Advanced Imaging, Tel Aviv, July.
8. Oxford School for Cognitive Neuroscience, Oxford, September;
9. Functional Imaging Laboratory, University College London, September.
10. University of Birmingham Psychology colloquium, September.
11. Society for Neuroscience Annual meeting, Nov.

2004 **1.** Adaptation workshop in University of Minnesota, April.
2. Symposium at SKERI, April
3. SFN minisymposium: *Plasticity in the Adult Visual System*. San Diego.
4. Colloquium, USC, Oct.
5. Neuroscience Colloquium, Princeton University, Nov.
6. Biophysics seminar, Princeton University, Nov.

2003 **1,** Department of Psychology UCLA, January.
2. Annual interdisciplinary meeting (AIC 28), February.
3. Department of Psychology. Berkeley University, April.
4. ARVO 2003 Mini symposium: *Shape Coding in the Ventral Visual Pathway*, May.
5. Redwood Neuroscience Institute (RNI), May. Stanford CLSI seminar, May.

2002 **1.** Colloquia at the PPRI, Berkeley,
2. Stanford Neuroscience Annual meeting, Stanford
3. Biostatistics workshop.

2001 **1.** Psychology Department, Stanford University, Psychology,
2. Boston University, Seminar at MGH, Harvard.
3. Neuroscience Colloquium, University of Washington in Seattle.
4. Psychology colloquium, Hebrew University, Jerusalem.
5. Computer Science, Tel-Aviv University, Tel-Aviv.
6. Neuroscience colloquium, Weizmann Institute of Science, Rehovot,
7. IAP workshop at MIT;
8. Perception Science. seminar at MIT;
9. Cog lunch at Stanford.

2000 Cog-lunch at MIT

1999 Neuroscience Colloquium, Hebrew University, Jerusalem, Israel

(xi) Conference Abstracts in Descending Chronological Order

158. Stigliani A, Jeska B, Grill-Spector K (2016). *Independent responses to transient and sustained stimulation across the cortical visual processing hierarchy.* Society for Neuroscience Annual meeting, San Diego.

157. Jesse Gomez, Michael Barnett, Vaidehi Natu, Aviv Mezer, Kevin Weiner, Katrin Amunts, Karl Zilles, Kalanit Grill-Spector (2016). *Proliferation of macromolecular tissue in human cortex underlies development of face processing*. Society for Neuroscience Annual meeting, San Diego.

156. Rosenke M, Weiner KS, Barnett MA, Zilles K, Amunts K, Goebel R, Grill-Spector K (2016). *A cross-validated cytoarchitectonic atlas of the human ventral stream.* Society for Neuroscience Annual meeting, San Diego.

155. Bugatus L, Weiner KS, Grill-Spector K (2016). *Task warps category representations in prefrontal but not high-level visual cortex.* Society for Neuroscience Annual meeting, San Diego.
154. Natu V, Barnett MA, Hartley J, Gomez J, Stigliani A, Grill-Spector K (2016). *Development of neural sensitivity to face identity correlates with perceptual discriminability.* Society for Neuroscience Annual meeting, San Diego.
153. Weiner KS, Jonas S, Malliard L, Hossu G, Colnar-coulbois S, Grill-Spector K, Rossion B (2016). *Preserved information in multivoxel patterns despite significant decrease in mean signals following surgical removal of human inferior occipital cortex*. Society for Neuroscience Annual meeting, San Diego.
152. Grill-Spector K, *Keynote lecture,* IEEE international conference on Biometrics, Theory, Applications and Systems.
151. Lior Bugatus, Kevin Weiner, Kalanit Grill-Spector (2016). *Differential representation of category and task information across high level visual cortex and ventro-lateral prefrontal cortex.* Vision Sciences Society Annual Meeting, St. Petersburg, Fl.

150. Mona Rosenke, Kevin Weiner, Martin Frost, Michael Barnett, Karl Zilles, Katrin Amunts, Rainer Goebel, Kalanit Grill-Spector (2016). *Macroanatomical alignment improves the intersubject consistency of cytoarchitectonic regions in the human ventral stream.* Vision Sciences Society Annual Meeting, St. Petersburg, Fl.

149. Michael Barnett, Kevin Weiner, Jyothi Guntupalli, Jesse Gomez, Vaidehi Natu, Anthony Stigliani, Kalanit Grill-Spector (2016). *Probabilistic Atlas of Category-Selective Regions of Ventral Temporal Cortex.* Vision Sciences Society Annual Meeting, St. Petersburg, Fl.

148. Jesse Gomez, Michael Barnett, Vaidehi Natu, Aviv Mezer, Kevin Weiner, Katrin Amunts, Karl Zilles, Kalanit Grill-Spector (2016) *Macromolecular proliferation in human high-level visual cortex constrains development of function and behavior.* Vision Sciences Society Annual Meeting, St. Petersburg, Fl.

147. Moqian Tian, Daniel Yamins, Kalanit Grill-Spector (2016) *Learning the 3D structure of objects from 2D views depends on shape, not format.* Vision Sciences Society Annual Meeting, St. Petersburg, Fl.

146. Weiner KS, Barnett M, Lorenz S, Caspers J, Stigliani A, Amunts K, Zilles K, Fischl B, **Grill-Spector K**, (2015). *Beyond Brodmann: Quantifying the functional and microstructural heterogeneity of human high-level visual cortex* Society for Neuroscience Annual Meeting, Chicago, Oct 2015.

145. Stigliani A, Weiner KS, **Grill-Spector K**, Weiner KS (2015). *Temporal processing capacity in high-level visual cortex is domain-specific.* Society for Neuroscience Annual Meeting, Chicago, Oct 2015.

144. Natu V Gomez J, Barnett M, Stigliani A, **Grill-Spector K**, Weiner KS (2015). *Sulcal pits differentially contribute to the development of functional regions in high-level visual cortex*. Society for Neuroscience Annual Meeting, Chicago, Oct 2015.

143. Larocque K, Witthoft N, **Grill-Spector K,** Wagner A (2015). *Visual field position biases in the human medial temporal lobe.* Society for Neuroscience Annual Meeting, Chicago, Oct 2015.

142. Gomez J, Barnett M, Natu V, Mezer A, **Grill-Spector K** (2015) *Macromolecular tissue properties of human high-level visual cortex develop with age and may shape cortical function.* Society for Neuroscience Annual Meeting, Chicago, Oct 2015.

141. Rosenke M, Weiner K, Frost M, Barnett B, Zilles K, Amunts K, Goebel R, **Grill-spector K (2015)** *Cortex based alignment improves the intersubject alignment of cytoarchitectonic regions in the human ventral stream.* Society for Neuroscience Annual Meeting, Chicago, Oct 2015.

140. Bugatus L, Weiner KS, **Grill-Spector K** (2015) *Task differentially modulates the spatial extent of category-selective regions across anatomical locations.* Society for Neuroscience Annual Meeting, Chicago, Oct 2015.

139. Natu V, Barnett M, Gomez J, **Grill-Spector K** (2015). *Developmental Changes in Cortical Thickness in Visual Areas and their Relation to Face Memory.* Organization for Human Brain Mapping Annual Meeting. June 2015.

138. Barnett M, Weiner KS, Lorenz S, Caspers J, Stigliani A, Amunts K, Zilles K, Fischl B, **Grill-Spector K** (2015). *Functional regions in human ventral temporal cortex are cytoarchitectonically dissociable.* Organization for Human Brain Mapping Annual Meeting. June 2015.

137. Golarai G, Liberman A, **Grill-Spector K** (2015). *Eccentricity bias develops in tandem with face and place selectivity in the ventral temporal cortex.* Organization for Human Brain Mapping Annual Meeting. June 2015.

136. Bugatus L, Weiner KS, **Grill-Spector K** (2015) *Task differentially modulates the spatial extent of category-selective regions across anatomical locations.* Organization for Human Brain Mapping Annual Meeting. June 2015.

135. Gomez J, Natu V, Barnett M, Mezer A, **Grill-Spector K** (2015). *Macromolecular tissue volume of ventral temporal cortex constrains selectivity and develops with age.* Organization for Human Brain Mapping Annual Meeting. June 2015.

134. Grill-Spector K, Weiner KS, Kriegeskorte N, Kay KN (2015) *Near-perfect prediction of reaction time for face gender judgments based on activity in ventral temporal cortex*. Vision Sciences Annual Meeting. May 2015.

133. Tian M, Yamins D, **Grill-Spector K** (2015). *Learning invariant object representations: asymmetric transfer of learning across line drawings and 3D cues*. Vision Sciences Annual Meeting. May 2015.

132. Bugatus L, Weiner KS, **Grill-Spector K** (2015) *Task modulates category selectivity along a gradient from occipitotemporal cortex to prefrontal cortex in word- and face-selective regions*.Vision Sciences Annual Meeting. May 2015.

131. Natu V, Barnett M, Gomez J, Hartley J, **Grill-Spector K** (2015). *Neural discriminability for face identity as function of age and anatomical locations.* Vision Sciences Annual Meeting. May 2015.

130. Witthoft N, Poltaratski S, Nguyen M, Golarai G, Liberman A, LaRoque K, Smith ME, **Grill-Spector K** (2014) *Smaller Population Receptive Fields in Extra Striate and Face Selective Regions of Developmental Prosopagnosics.* Society for Neuroscience Annual Meeting, Washington DC, Nov 2014.

129. Weiner KS, Gomez J, Maillard L, Jonas J, Brissart H, Hossu G, Jacques C, Loftus D, **Grill-Spector K,** Rossion B (2014). *The resiliency of cortical networks: Stable functional organization of the face processing network after surgical resection of the right inferior occipital gyrus.* Society for Neuroscience Annual Meeting, Washington DC, Nov 2014.

128. Gomez J, Pestilli F, Witthoft N, Golarai G, Liberman A, Poltoratski S, Yoon J, **Grill-Spector K** (2014) *Functionally defined white matter reveals segregated pathways in human ventral temporal cortex associated with category-specific processing.* Society for Neuroscience Annual Meeting, Washington DC, Nov 2014.

127. Golarai G, Liberman A, **Grill-Spector K** (2014) *Face selectivity and representation of the central visual field develop in tandem along the fusiform gyrus in children.* Society for Neuroscience Annual Meeting, Washington DC, Nov 2014.

126. Stigliani A, Weiner KS & **Grill-Spector K** (2014). *Differential temporal capacity across category-selective regions in human high-level visual cortex.* Society for Neuroscience Annual Meeting, Washington DC, Nov 2014.

125. Tian M and **Grill-Spector K** (2014) *Unsupervised learning of 3D objects transfers across visual cues.* Society for Neuroscience Annual Meeting, Washington DC, Nov 2014.

124. Frost, MA, Weiner KS, **Grill-Spector K**, and Goebel R. (2014) *Assessing the relationship of anatomy and function in the human ventral temporal cortex.* Society for Neuroscience Annual Meeting, Washington DC, Nov 2014.

123. Grill-Spector K. The fMRI-Adaptation in Human High Level Visual Cortex: Regional Differences Across Time Scales. ReSuS, Jena, 2014

122. Lorenz S, Caspers J, Mohlberg H, Schleicher A, Bludau S, Hoffstaedter, Weiner KS, Grill-Spector K, Eickhoff S, Zilles K, Amunts K (2014). *Two new cytoarchitectonic areas of the mid fusiform gyrus*. Human Brain Mapping Annual meeting, Hamburg, June 2014.

121. Grill-Spector K (2014). *The functional architecture of human ventral temporal cortex and its role in visual perception*. Invited lecture to APS annual meeting. San Francisco, May 2014.

120. Kay K, Weiner KS, Grill-Spector K (2014). *Spatial receptive fields persist at the latest stages of the human ventral visual stream.* Vision Sciences Society Annual meeting, May 2014.

119. Stigliani A, Weiner KS, Grill-Spector K (2014). *Differential temporal capacity across category-selective regions in human high-level visual cortex.* Vision Sciences Society Annual meeting, May 2014.

118. Witthoft, Nguyen M, Golarai G, Liberman A, LaRocqu K[1], Smith ME, & Grill-Spector K (2014) *Visual Field Coverage of Category-Selective Regions in Human Visual Cortex Estimated Using population receptive field Mapping.* Vision Sciences Society Annual meeting, May 2014.

117. Gomez J, Pestilli F, Golarai G, Witthoft N, Liberman A, Yoon J, **Grill-Spector K** (2014) *Functionally-defined white matter selectively predicts face- and place-processing performance.* Vision Sciences Society Annual meeting, May 2014.

116. Weiner KS, Gomez J, Maillard L, Jonas J, Brissart H, Hossu G, Jacques C, Loftus D, **Grill-Spector K,** Rossion B (2014). *Resection without reorganization: Removing the occipital face area does not reorganize human ventral temporal cortex or deteriorate face perception.* Vision Sciences Society Annual meeting, May 2014

115. Tian M and **Grill-Spector K** (2014) *Viewpoint invariant object recognition: Spatiotemporal information during unsupervised learning enhances generalization.* Vision Sciences Society Annual meeting, May 2014

114. Grill-Spector K, Jacques C, Witthoft N, Weiner KS, Parvizi, J (2013) *Abstracts of Presentations at the International Conference on Basic and Clinical Multimodal Imaging (BaCI),* a Joint Conference of the International Society for Neuroimaging in Psychiatry (ISNIP), the International Society for Functional Source Imaging (ISFSI), the International Society for Bioelectromagnetism (ISBEM), the International Society for Brain Electromagnetic Topography (ISBET), and the EEG and Clinical Neuroscience Society (ECNS), in Geneva, Switzerland, September 5-8, 2013.

114. Weiner KS, Golarai G, Caspers, J, Mohlberg H, Zilles K, Amunts K, and **Grill-Spector K** (2013) *The mid-fusiform sulcus identifies cytoarchitectonic and functional divisions of human visual cortex.* Organization for Human Brain Mapping Annual Meeting, Seattle, June 2013

113. Grill-Spector K (2012). *The Neural Bases of Face recognition in humans. 43rd* NIPS International Symposium Face Perception and Recognition, Okazaki, Japan

112. Davidenko N, Weiner KS, **Grill-Spector K (2012).** *Broadly tuned face and hand representations in human high-level visual cortex. 43rd* NIPS International Symposium: Face Perception and Recognition, Okazaki, Japan

111. Weiner KS and **Grill-Spector K (2012).** *High-resolution fMRI reveals cortical tiling of face and limb selectivity in human high-level visual cortex*. 43rd International Symposium: Face Perception and Recognition, Okazaki, Japan

110. Golarai G, Liberman A, **Grill-Spector K (2012).** *Differential development of face-selectivity along the anterior-posterior axis of the fusiform gyrus in children, regardless of the age of the face-stimuli.* Society for Neuroscience 42nd Annual Meeting, New Orleans, LA.

109. Tian M and **Grill-Spector K (2012).** *Learning view invariant object recognition: Exposure to multiple 2D views is sufficient for rapid learning.* Society for Neuroscience 42nd Annual Meeting,New Orleans, LA.

108. Weiner KS and **Grill-Spector K (2012).** *Re-thinking the functional organization of human visual cortex.* Society for Neuroscience 42nd Annual Meeting, New Orleans, LA.

107. Parvizi J, Jacaques C, Witthoft N, Foster BL, Rangarajan V, Weiner KS, **Grill-Spector K (2012)** *Electrical stimulation of human fusiform face-selective regions distorts face perception.* Society for Neuroscience 42nd Annual Meeting, New Orleans, LA.

106. Jacaques C, Witthoft N, Weiner KS, Foster BL, Miller KJ, Hermes D, Rangarajan V, Parvizi J, **Grill-Spector K (2012)** *The relationship between fMRI and ECoG measurements of category selectivity in human ventral temporal cortex.* Society for Neuroscience 42nd Annual Meeting, New Orleans, LA.

105. Hammer, R, Sloutsky V, **Grill-Spector K (2012)** *The Interplay between Feature-Saliency and Feedback Information in Visual Category Learning Tasks.* 34th Annual Conference of the Cognitive Science Society, Tokyo, Japan.

104. Witthoft N, Golarai G, Nguyen M, Liberman A, **Grill-Spector K (2012).** *Retinotopy, category selectivity, & the relative influence of stimulus class preference and eccentricity in ventral visual cortex.* Vision Sciences Society Annual Meeting, Naples, FL.

103. Weiner KS and **Grill-Spector K (2012).** *Re-thinking the functional organization of human visual cortex.* Vision Sciences Society Annual Meeting, Naples, FL.

102. Davidenko, Weiner KS, **Grill-Spector K (2012).** *Parametric face-to-hand transformations reveal shape-tuned representations in human high-level visual cortex.* Vision Sciences Society Annual Meeting, Naples, FL.

101. Golarai G, Liberman A, **Grill-Spector K (2012).** *Distributed responses are modulated by the age-of-face stimuli in the fusiform gyrus of adults.* Vision Sciences Society Annual Meeting, Naples,FL.

100. Witthoft N, Golarai G, Nguyen M, Liberman A, **Grill-Spector K (2011).** *Face-, place- and object-selective regions differ in the relative influence of stimulus class preference and eccentricity.* Society for Neuroscience 41st Annual Meeting, Washington. D.C.

99. Weiner KS and **Grill-Spector K (2011)** *A new multi-factor framework for parcellating regions in human high-level visual cortex.* Society for Neuroscience 41st Annual Meeting, Washington. D.C.

98. Golarai G, Liberman A, **Grill-Spector K (2011).** *Differential development of face-selectivity along the anterior-posterior axis of the fusiform gyrus in children, regardless of the age of the face-stimuli.* Society for Neuroscience 41st Annual Meeting, Washington. D.C.

97. LaRocque KF, Smith ME, Witthoft N, Carr VA, **Grill-Spector, K**, Anthony D. Wagner **(2011)** *Representational similarity in the human medial temporal lobe: Evidence for content-sensitive representations.* Society for Neuroscience 41st Annual Meeting, Washington. D.C.

96. Davidenko N, Remus DA, and **Grill-Spector K** (2011) *Face-likeness and variability drive responses in human face-selective regions.* Vision Sciences Society Annual meeting, Naples, FL, May 2011

95. Grill-Spector K (2011) *fMRI-Adaptation in Human Ventral Temporal Cortex: Regional Differences Across Time Scales.* VSS symposium: Mechanisms of adaptation in different visual cortical areas: electrophysiology, functional imaging and computational modeling. Vision Sciences Society Annual meeting, Naples, FL, May 2011

94. Weiner K and **Grill-Spector K** (2010) High-resolution fMRI reveals separate limb-selective activations surrounding area hMT+. Society for Neuroscience 40th annual meeting, San Diego,CA.

93. Witthoft N, Poltoratski S, Golarai G, Liberman A and **Grill-Spector K** (2010) *Psychophysical and Neural Investigations of Congenital Prosopagnosia.* Society for Neuroscience 40th annual meeting, San Diego, CA.

92. Davidenko N, Remus DA, **Grill-Spector K** (2010*) Characterizing face representations in the ventral stream: effects of physical variability and distance from the average face.* Society for Neuroscience 40th annual meeting, San Diego, CA.

91. Liberman A, Golarai G, Yoon JMD, and **Grill-Spector K** (2010) *Face-selective activation in the posterior super temporal sulcus is similar across children, adolescents, and adults.* Society for Neuroscience 40th annual meeting, San Diego, CA.

90. Golarai G, Liberman A, Yoon JMD, and **Grill-Spector K** (2010). *Evidence for development of the FFA during childhood and adolescence: Response modulation by age of face stimuli?* Society for Neuroscience 40th annual meeting, San Diego, CA.

89. Remus DA and **Grill-Spector K** (2010) *Discrimination training builds position tolerant object representations.* VSS annual meeting, Naples, FL.

88. Grill-Spector K (2010) *Plasticity in high-level visual cortex: insights from development and fMRI-adaptation.* Concepts, Actions Objects (CAOS), Rovereto, Italy.

87. Golarai G, Liberman A, Yoon JMD, **Grill-Spector K** (2010) *Differential development of the ventral visual cortex extends through adolescence,* Concepts, Actions Objects (CAOS), Rovereto, Italy.

86. Weiner K and **Grill-Spector K**, (2010) *Sparsely-distributed organization of face and limb activations in human ventral temporal cortex.* Actions Objects (CAOS), Rovereto, Italy.

85. Witthoft N, Davidenko N, and **Grill-Spector, K** (2009) *Exemplar Distribution Affects Unsupervised Learning of Shapes***.** COGSCI 2009. Annual Meeting of The Cognitive Science Society Amsterdam, Netherlands.

84. Grill-Spector K, Golarai G, Liberman A, and Yoon JMD (2009). *Evidence for development of face-selective cortex during adolescence*. UC Berkeley Conference on the Developing Brain, Berkeley, CA.

83. Golarai G, Liberman A, Yoon JMD and **Grill-Spector K** (2009). *Evidence for development of face-selective and place-selective cortex during adolescence.* Human Brain Mapping Annual Meeting, San Francisco, CA.

82. Sayres R, Dumoulin S, **Grill-Spector K** and Wandell B (2009) *Population Receptive Fields: Optimizing stimuli for mapping different cortical regions*. Human Brain Mapping Annual Meeting, San Francisco, CA.

81. Weiner KS and **Grill-Spector K** (2009) *High-resolution fMRI of the human ventral stream: Reproducible sparse-distributed representations of faces and bodyparts.* Human Brain Mapping Annual Meeting, San Francisco, CA.

80. Davidenko N and **Grill-Spector K** (2009) Face-selective cortex prefers typical over distinctive faces. Association for Psychological Science (APS) Annual meeting, San Francisco, CA.

79. Sayres R, Weiner K, Dumoulin SO, Wandell B, and **Grill-Spector K** (2009). *Population receptive field measurements in human ventral category-selective cortex.* Vision Sciences Society Annual Meeting, Naples, FL.

78. Weiner KS, Sayres R, Vinberg J, and **Grill-Spector K** (2009). *The relationship between fMRI-Adaptation and category selectivity in the human ventral stream: Evidence for the scaling and sharpening models.* Vision Sciences Society Annual Meeting, Naples, FL.

77. Golarai G, Hong S, Yoon JMD, **Grill-Spector K** (2009) Evidence for development of face-selective and place-selective cortex during adolescence. Bay Area Neuroscience Gathering (BANG). Berkeley, CA.

76. Grill-Spector K, Golarai G, Liberman A, and Yoon JMD (2009). *Evidence for development of face-selective cortex during adolescence*. SRCD biennial meeting, preconference on the development of face processing, Denver, Colorado.

75. Grill-Spector K. (2009) *Repetition and the brain: Neural mechanisms of fMRI-Adaptation in the human ventral stream*. NovoBrain Conference, Mechanisms of Cognition, Learning and Memory, Ruhr-University, Bochum, Germany.

74. Grill-Spector K (2008) *High-resolution fMRI of the human ventral stream.* Minisymposium: Fine-scale spatial organization of face and object selectivity in the temporal lobe: Do fMRI, optical imaging, and electrophysiology agree? Society for Neuroscience 38th Annual Meeting, Washington DC.

73. Andresen D, Vinberg J and **Grill-Spector K** (2008) *Viewpoint-dependent representations of objects in the human lateral occipital complex: fMRI data and a computational model.* Society for Neuroscience 38th Annual Meeting, Washington DC.

72. Davidenko N, Remus D and **Grill-Spector K** (2008) *Responses in face-selective cortex increase with increased face variability but decrease with increased distance from the mean face.* Society for Neuroscience 38th Annual Meeting, Washington DC.

71. Golarai G, Hong S, Yoon JMD, **Grill-Spector K** (2008) *Evidence for development of face-selective and place-selective cortex during adolescence.* Society for Neuroscience 38th Annual Meeting, Washington DC.

70. Weiner KS, Vinberg J, Sayres R and **Grill-Spector K** (2008) *Repetition suppression and category selectivity in human ventral cortex: fMRI evidence for the scaling model.* Society for Neuroscience 38th Annual Meeting, Washington DC.

69. Sayres R. and **Grill-Spector K** (2008) *Retinal position and object category effects in the human lateral occipital cortex.* Computational and Systems Neuroscience (COSYNE), Salt Lake City, UT.

68. Davidenko N, Remus D, Ramscar M, and **Grill-Spector K**. (2008) *Stronger face-selective responses to typical versus distinctive faces when stimulus variability is controlled.* Visual Sciences Society Annual Meeting, Naples, FL. Journal of Vision, 8(8):45.

67. Remus D, Davidenko N, Hu Y, Glover G, and **Grill-Spector K** (2008). *Reliability of object- and face-selective activations measured with high-resolution fMRI*. Visual Sciences Society Annual Meeting, Naples, FL. Journal of Vision, 8(8):531.

66. Sayres R. and **Grill-Spector K** (2008) *Retinal position and object category effects in human lateral occipital cortex.* Visual Sciences Society Annual Meeting, Naples, FL. Journal of Vision, 8(8):82.

65. Weiner KS and **Grill-Spector K** (2008) *Repetition suppression and category selectivity in the lateral occipital complex: fMRI evidence for the scaling model.* Visual Sciences Society Annual Meeting, Naples, FL. Journal of Vision, 8(8):494.

64. Davidenko N, Remus DA, Glover G, and **Grill-Spector K** (2007) *Sensitivity to image format and distinctiveness in face-selective cortex.* Society for Neuroscience 37th Annual Meeting, San Diego, CA.

63. Remus DA, Davidenko N, Hu Y, Glover GH, and **Grill-spector K.** (2007) *Reliability of object- and face-selective activations measured with high-resolution fMRI.* Society for Neuroscience 37th Annual Meeting, San Diego, CA.

62. Weiner KS, Sayres R, and **Grill-Spector K** (2007). *fMRI investigations of the relationship between adaptation and selectivity in the lateral occipital complex*. Society for Neuroscience 37th Annual Meeting, San Diego, CA

61. ***Grill-Spector K****, (2007). Plasticity in high level visual cortex: insights from development and adaptation,* Computational Mechanisms of Vision (CVR) conference, York University, Toronto, Canada.

60. Grill-Spector K, Weiner KS, and Sayres R (2007) *Standard and high resolution fMRI investigations of repetition suppression.*, Symposium on Repetition and the Brain: From Neuons to Computational Models Using Multimodal Approaches. Human Brain Mapping Annual Meeting, Chicago, IL. NeuroImage (36): Supplement 1.

59. Grill-Spector K (2007) *Functional Organization and Development of the Human Ventral Stream* Workshop on object recognition, Eleventh IEEE International Conference on Computer Vision (ICCV), Rio De Janeiro, Brazil.

58. Suh H, and **Grill-Spector K** (2007). *The role of local feature processing in face and car detection.* Visual Sciences Society Annual Meeting, Sarasota, FL. Journal of Vision, 7(9):1036

57. Vinberg J, and **Grill-Spector K** (2007) *Differential processing of salient regions, contours and shape in the human LOC.* Visual Sciences Society Annual Meeting, Sarasota, FL. Journal of Vision, 7(9):1037.

56. Sayres R, and **Grill-Spector K** (2006) *Effects of object identity, category, and retinotopic position across human ventral stream measured with high-resolution fMRI.* Society for Neuroscience 36th Annual Meeting, Atlanta, Georgia.

55. Golarai G, Ghahremani DG, Eberhardt JL, Gabrieli JDE, and **Grill-Spector K** (2006) *Evidence for development of face-selective and place-selective cortex after age 7.* Society for Neuroscience 36th Annual Meeting, Atlanta, Georgia.

54. Grill-Spector K and Sayres RA (2006) *High resolution fMRI of repetition suppression in object-selective cortex.* Society for Neuroscience 36th Annual Meeting. Atlanta, Georgia.

53. Grill-Spector K, Sayres R and Ress D (2006) *High resolution imaging reveals highly selective nonface clusters in the fusiform face area*. Human Brain Mapping Annual Meeting, Florence, Italy. NeuroImage, (31): Supplement 1.

52. Grill-Spector K, Sayres R and Ress D (2006) *High-resolution fMRI reveals heterogeneous fine-scale structure in human face-selective cortex.* COSYNE annual meeting.

51. Andresen DR and **Grill-Spector K** (2006). *View sensitivity of object representations in human object-selective visual cortex.* Vision Sciences Society Annual Meeting, Sarasota, FL. Journal of Vision, 6(6):312.

50. Remus DA and **Grill-Spector K** (2006). *Behavioral sensitivity to novel object features can be modulated by high-level knowledge of function.* Vision Sciences Society Annual Meeting, Sarasota, FL. Journal of Vision, 6(6):609.

49. Grill-Spector K (2006) *Object recognition in humans: insights from neuroimaging and psychophysics.* Institute for Mathematics and its applications (IMA) University of Minnesota. Minnesota, May.

48. Sayres RA, Ress D, and **Grill-Spector K**. (2005) *Identifying distributed object representations in human extrastriate visual cortex*. Neural Information Processing Systems, Vancouver, Canada.

47. Grill-Spector K, Sayres RA and Ress D (2005). *Fine scale functional organization of face-selective regions in humans revealed by high-resolution fMRI.* Society for Neuroscience 35th annual meeting, Washington DC.

46. Heinrich SP and **Grill-Spector K** (2005*) Spatio-temporal properties of object repetition effects in the human cortex: a combined EEG and fMRI approach*. Society for Neuroscience 35th annual meeting, Washington DC.

45. Grill-Spector K (2005) *Fine scale functional organization of human object- and face-selective regions.* International Neuropsychological Society (INS), Alghero, Sardinia.

44. Andresen DR and **Grill-Spector K** (2005). *Variable view-dependence in human object-selective cortex*. Vision Sciences Society Annual Meeting, Sarasota, FL. Journal of Vision, 5(8):743.

43. Golarai G, Ghahremani DG, **Grill-Spector K** and Gabrieli JDE (2005) *Evidence for maturation of the fusiform face area (FFA) in 7 to 16 year old children*. Vision Sciences Society Annual Meeting, Sarasota, FL. Journal of Vision, 5(8):634.

42. Heinrich SP and **Grill-Spector K** (2005) *Temporal dynamics of object-repetition effects in the human visual cortex.* Vision Sciences Society Annual Meeting, Sarasota, FL. Journal of Vision, 5(8):854.

41. Suh H and **Grill-Spector K** (2005). *The Influence of holistic information on face detection.* Vision Sciences Society Annual Meeting, Sarasota, FL. Journal of Vision, 5(8):544.

40. Vinberg J and **Grill-Spector K** (2005) *Object and shape processing in the human lateral occipital complex.* Vision Sciences Society Annual Meeting, Sarasota, FL. Journal of Vision, 5(8):86.

39. Grill-Spector K (2005) *The neural basis of object and face perception*. Mathematical Sciences Research Institute (MSRI) Symposium on Recognition. Berkeley, March.

38. Andresen DR and **Grill-Spector K** (2004) Neural tuning to in-depth rotations in human object-selective cortex. Society for Neuroscience 34th annual meeting San Diego, CA.

37. Grill-Spector K (2004) *fMRI studies of neural correlates of visual priming and perceptual learning*. Minisymposium on Plasticity in the Adult Visual System, Society for Neuroscience 34th annual meeting, San Diego, CA.

36. Ghahremani D, Golarai G, Wood L, Eberhardt JL, **Grill-Spector K**, Gabrieli, J (2004) *Representation of face configuration in the fusiform face area in adults and children (ages 7-16).* Society for Neuroscience 34th annual meeting, San Diego, CA.

35. Vinberg, J and **Grill-Spector K** (2004) *Object and shape processing in the human lateral occipital complex*. Society for Neuroscience 34th annual meeting San Diego, CA.

34. Weaver, J and **Grill-Spector,** K. (2004). A network of dorsal stream brain areas that compute object distance: an fMRI study. Society for Neuroscience 34th annual meeting San Diego, CA.

33. Grill-Spector K (2004) The neural basis of object recognition, Computational Neuroimaging (CONI) conference, Stanford, CA.

32. Andresen D and **Grill-Spector K** (2004) *Task-Dependent Modulation of Size-Selectivity Across Human Visual Cortex*. Journal of Vision, 4(8): 41. Vision Sciences Society 4th annual meeting, Sarasota, FL.

31. Golarai G, Ghahremani DG, Eberhardt JL, **Grill-Spector K,** and Gabrieli JDE (2004) *Representation of parts and canonical face configuration in the amygdala, superior temporal sulcus (STS) and the fusiform "face area" (FFA).* Vision Sciences Society 4th annual meeting, Sarasota, FL. Journal of Vision, 4(8): 131.

30. Grill-Spector K (2004) *Using multiple functional criteria to define high-level human visual areas in the lateral occipital and temporal lobes*. Vision Sciences Society 4th annual meeting, Sarasota, FL. Journal of Vision, 4(8): 90.

29. Grill-Spector K (2004) *The neural basis of fMR-adaptation and visual priming.* Computational Neuroimaging: Adaptation and Priming. University of Minnesota. Minneapolis, MN.

28. Grill-Spector K and Kanwisher N (2004) *Object categorization: greater reliance on preferred than nonpreferred responses.* Computational Neuroscience (COSYNE), Cold Spring Harbor, NY.

27. Andresen D and **Grill-Spector K** (2003). *Task-dependent modulation of size and orientation tuning in object-selective visual areas.* Society for Neuroscience 33rd annual meeting, New Orleans, LA. Abstract 385.16

26. Golarai G, Ghahremani D, Deen S, Eberhardt JL, **Grill-Spector K**, and Gabrieli JDE (2003). *The amygdala but not the "fusiform face area" is sensitive to the canonical configuration of faces.* Society for Neuroscience 33rd annual meeting, New Orleans, LA. Abstract: 590.9.

25. Sayres RA and **Grill-Spector K** (2003). *Adaptation in object-selective cortex correlates with visual priming*. Society for Neuroscience 33rd annual meeting, New Orleans, LA. Abstract: 659.10.

24. Weaver J, Kim S, Teague D, Ress, D and **Grill-Spector K**. (2003). *Perception of object location within a scene modulates activity in extrastriate cortex.* Society for Neuroscience 33rd annual meeting. New Orleans, LA.

23. Grill-Spector K, Knouf N, and Kanwisher N (2003). *The fusiform face area is significantly correlated with successful detection and identification of faces but not objects*. Vision Sciences Society. 3rd annual meeting, Sarasota, FL. Journal of Vision, 3(9): 515.

22. Sayres RA and **Grill-Spector. K** (2003) *Parameters that affect adaptation in the human visual system*. Vision Sciences Society, 3rd annual meeting, Sarasota, FL. Journal of Vision, 3(9): 596

21. Grill-Spector K (2003). *The neural basis of object recognition*. ARVO, Fort Lauderdale, FL. Volume: 2003, Abstract No. 4253.

20. Grill-Spector K (2002). *The functional organization of the ventral visual pathway and its relationship to object recognition.* Attention and Performance XX, Erice, Sicily.

19. Grill-Spector K and Kanwisher N (2001) *The functional organization of human ventral temporal cortex is based on stimulus selectivity not recognition task*. Society for Neuroscience 31st Annual meeting, San Diego, CA. Society for Neuroscience Abstracts 27(1): 322.

18. Grill-Spector K and Kanwisher N (2001) *Common cortical mechanisms for different recognition tasks, a combined behavioral and fMRI study*. Vision Sciences Society, 1st annual meeting, Sarasota, FL. Journal of Vision, 1(2): 474.

17. Grill-Spector K and Kanwisher N (2000). *Different recognition tasks activate a common set of object processing areas in the human brain*. Society for Neuroscience 30th Annual meeting. New Orleans, LA. Society for Neuroscience Abstracts 26 (1-2): 686.6.

16. Grill-Spector K and Kanwisher N (2000). *Different components of object recognition activate a common set of object-processing regions*. Pre-ARVO workshop on functional imaging, Fort Lauderdale, FL.

16. Lerner Y, **Grill-Spector K**, Kushnir T, and Malach R (1999) *Holistic versus part-based representation in the human brain*. Annual Meeting of the Israel Society for Neuroscience, Eilat Israel. Neurosci. Lett. Suppl. 54: S26.

15. Mukamel R, **Grill-Spector K**, Kushnir T, et al. (1999) *Mapping representations of individual object pictures in the human brain*. Annual Meeting of the Israel Society for Neuroscience, Eilat Israel. Neurosci. Lett. Suppl. 54: S30.

14. Grill-Spector K, Kushnir T, and Malach R. (1999). *Rapid evolvement of object selectivity in the lateral occipital complex correlates to conscious recognition rate.* Annual Meeting of the Israel Society for Neuroscience, Eilat, Israel.

13. Avidan-Carmel G, **Grill-Spector, K**. Kushnir T, Itzchak Y, Zohary E, Malach R (1999). *Feature-based attention modulates activity in object-related areas of human visual cortex.* Society for Neuroscience 29th Annual Meeting, Miami Beach, FL. Society for Neuroscience Abstracts 25 (1-2): 529.

12. Grill-Spector, K. Kushnir T, Itzchak Y, Malach R (1999). *Rapid evolvement of object selectivity in the lateral occipital complex correlates to conscious recognition rate.* Society for Neuroscience 29th Annual Meeting, Miami Beach, FL. Society for Neuroscience Abstracts 25 (1-2): 529.

11. Grill-Spector K, T. Kushnir, S. Edelman, Y. Itzchak and R. Malach. (1999). *Differential processing of objects under various viewing conditions in the human lateral occipital complex*, ARVO, Fort Lauderdale, FL. Investigative Ophthalmology & Visual Science, 40 (4): S399.

10. Grill-Spector K, Kushnir T, Edelman S, Itzchak Y, and Malach R (1998) *Differential processing of objects under various viewing conditions in the human lateral occipital complex*. Annual Meeting of the Israel Society for Neuroscience, Abstracts in Neurosci. Lett. Suppl. 51, S17.

9. Avidan-Carmel G, **Grill-Spector K,** Kushnir T, Itzchak Y, Zohary E and Malach R. (1998) *Attentional modulation of activation in object related areas of human visual cortex*. Annual Meeting of the Israel Society for Neuroscience. Abstracts in Neurosci. Lett. Suppl. 51, S3.

8. Grill-Spector K, Kushnir T, Edelman S, Itzchack Y and Malach R. (1998) *Differential processing of faces under various viewing conditions in human lateral occipital complex.* Society for Neuroscience 28th Annual Meeting, Los Angeles, California, USA. Society for Neuroscience Abstracts 24(1-2): 531.

7. Malach R**, Grill-Spector K**, Edelman S, Itzchak Y, and Kushnir T. (1998) *Rapid shape adaptation reveals position and size invariance in the object-related Lateral Occipital (LO) complex*. Human Brain Mapping Annual meeting, proceedings in NeuroImage 7(4): S43.

6. Kushnir T, **Grill-Spector K,** Kahn I, Edelman S, Harvey PR, Itzchak Y and Malach R (1998). *Rapid evolvement of object selectivity on the human occipital lobe*. ISMRM 6th Annual Meeting. Sydney, Australia.

5. Grill-Spector K, Kushnir T, Hendler T, Edelman S, Harvey PR, Itzchak Y and Malach R. (1997) *Convergence of visual cues in the human lateral occipital complex (LO).* Sixth Annual Meeting of the Israel Society for Neuroscience. Neurosci. Lett. Suppl. 48, S22.

4. Grill-Spector K, Kushnir T, Hendler T, Edelman S, Harvey P, Itzchak Y and Malach R (1997). *Convergence of structure-from-motion, structure-from-texture and luminance contrast processing in human lateral occipital complex (LO).* Society for Neuroscience 27th Annual Meeting, New Orleans, LA. Society for Neuroscience Abstracts, 23 (1-2): 2230.

3. Kushnir T, **Grill-Spector K**, Hendler T, Edelman S, Itzchak Y and Malach R(1997). *A sequence of object processing stages in the human occipital lobe revealed by fMRI*. ISMRM 5th Annual Meeting, Vancouver, Canada.

2. Grill-Spector K, Kushnir T, Hendler T, Edelman S, Kahn I, Itzchak Y and Malach R (1996). *A sequence of object processing stages in the human occipital lobe revealed by fMRI.* Fifth Israeli Neurosci. Mtg. Abst. S7.

1. Grill Spector K, Edelman S, and Malach R (1994). *Anatomical origin and computational role of diversity in the response properties of cortical neurons,* Neural Information Processing Systems Denver, Colorado, in Advances in Neural Information Processing Systems 7, 117-124.