



Kalanit Grill-Spector

Susan S. and William H. Hindle Professor in the School of Humanities and Sciences

Psychology

CONTACT INFORMATION

- **Alternate Contact**

Reneé Rittler - Administrative Services Manager

Email rittler@stanford.edu

Tel 6507237431

Bio

BIO

Kalanit Grill-Spector is a Professor in Psychology and the Wu Tsai Neurosciences Institute. Her research examines how the brain processes visual information and perceives it. She uses functional imaging techniques to visualize the living brain in action and understand how it functions to recognize people, objects and places and develops computational models as well as topographic deep neural networks to both predict neural responses and elucidated why the visual system is organized the way it is functionally and structurally. Additionally, she investigates how the anatomical and functional properties of the brain change from infancy to childhood through adulthood, and how this development is related to improved visual recognition abilities.

She received her PhD from the Weizmann Institute of Science in Israel and was a postdoctoral fellow in Brain and Cognitive Sciences at MIT before joining Stanford University. She has received several awards and honors including the Human Sciences Frontier Fellowship, the Sloan Fellowship, and the Klingenstein Fellowship in Neuroscience. She has served as an Editor for the Journal of Vision and Neuropsychologia. Presently, she has an active and diverse laboratory at the Psychology Department at Stanford University, she is a leader on the Wu Tsai Big idea project on Neurodevelopment, a board member of the Center for Cognitive and Neurobiological Imaging at Stanford University, she served as director of the graduate studies in the Department of Psychology from 2017-2021, and Chair of the Department of Psychology from 2021-2024.

ACADEMIC APPOINTMENTS

- Professor, Psychology
- Member, Bio-X
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Chair, Department of Psychology, (2021-2024)
- Diversity, Inclusivity, and Equity Committee, Department of Psychology, (2020-2022)
- Wu Tsai Seminar Committee, Wu Tsai Neurosciences Institute, (2020-2022)
- Wu Tsai Institute Bi-Annual Retreat Organizing Committee, co-chair, Wu Tsai Neurosciences Institute, (2018-2020)
- Director of Graduate Studies, Department of Psychology, (2017-2021)

- Graduate Program Committee Chair, Department of Psychology, (2017-2021)
- Neurosciences Institute Annual Retreat Organizing Committee, Stanford Neurosciences Institute, (2017-2018)
- Center for Neurobiological Imaging (CNI), Board member, CNI, (2012- present)

HONORS AND AWARDS

- R21 EY030588 Neuroimaging and histological investigations of human visual cortex development, National Eye Institute (2019-2021)
- Neural investigations of face perception and attention using population receptive field modeling., National Science Foundation (2018-2021)
- Wu Tsai Big Idea: NeuroDevelopment, Wu Tsai Neurosciences Institute, Stanford University (2018-2021)
- R01EY023915 Functional-neuroanatomy of High-level Visual Cortex: A Quantitative Multimodal Approach, National Eye Institute (2014-2023)
- Stanford Arts Institute's artsCatalyst grant, Stanford University (2013, 2014)
- RO1EY022318 Development of face perception: Cross-sectional and longitudinal investigations., National Eye Institute (2012-2023)
- VPUE grant for introducing new technologies to undergraduate education, Stanford University (2012)
- R01 EY019279 MRI and behavioral studies of unsupervised learning in high level visual cortex, National Eye Institute (2009-2015)
- BCS 0920865 Face perception: mapping psychological spaces to neural responses, National Science Foundation (2009-2013)
- BCS 0617688: Neural Correlates of Maturation of Face Processing, National Science Foundation (2006-2010)
- Klingenstein Fellowship in Neuroscience, Klingenstein Foundation (2006)
- Neural basis of object recognition in humans: Features, objects or categories?, White Hall Foundation (2005-2009)
- R21EY016199 Fine scale functional organization of human object-selective cortex., National Eye Institute (2005-2008)
- NSF BCS-0345920 The neural basis of visual priming., National Science Foundation (2004-2006)
- Sloan Research Fellowship in Neuroscience, Sloan Foundation (2004)
- HFSP Long Term Fellowship, Human Frontiers Science Program (2000)
- Rueff-Wormser Postdoctoral Fellowship, Weizmann Institute of Science (1999)
- Aharon Katzir Fund, Weizmann Institute of Science (1997)
- Gerald and Thelma Estrin Scholarship, Weizmann Institute of Science (1995-1998)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Reviewing Editor, Proceedings of the National Academy of Sciences (2020 - present)
- Reviewing Editor, PLoS Biology (2018 - 2018)
- Editor, Neuropsychologia (2016 - 2018)
- Editor, Journal of Vision (2008 - 2012)
- Editorial Board, NeuroImage (2005 - 2008)

PROGRAM AFFILIATIONS

- Symbolic Systems Program

LINKS

- Vision and Perception Neuroscience Lab: <http://vpnl.stanford.edu>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

For humans, recognition is a natural, effortless skill that occurs within a few hundreds of milliseconds, yet it is one of the least understood aspects of visual perception. Our research utilizes functional imaging (fMRI), diffusion weighted imaging (DWI), computational techniques, and behavioral methods

to investigate the neural mechanisms underlying visual recognition in humans. We also examine the development of these mechanisms from childhood to adulthood as well as between populations.

Teaching

COURSES

2024-25

- Computational Neuroimaging: Data Analyses: PSYCH 204B (Aut)
- The Artists Guide to Perception: OSPPARIS 96P (Win)

2023-24

- Computational Neuroimaging: Data Analyses and Experimental Designs: PSYCH 204B (Spr)
- Professional Seminar for First-Year Ph.D. Graduate Students: PSYCH 207 (Aut)

2022-23

- Introduction to Perception: PSYCH 30 (Aut)
- Professional Seminar for First-Year Ph.D. Graduate Students: PSYCH 207 (Aut)

2021-22

- Mapping the human visual system: PSYCH 224 (Spr)
- Professional Seminar for First-Year Ph.D. Graduate Students: PSYCH 207 (Aut)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Youssef Faragalla, Jamie Mitchell, Leili Mortazavi

Postdoctoral Faculty Sponsor

Bryn Bandt Law

Doctoral Dissertation Advisor (AC)

Clara Bacmeister, Insub Kim

Doctoral (Program)

Jewelina Yao

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Neurosciences (Phd Program)

Publications

PUBLICATIONS

- **A practical guide for combining functional regions of interest and white matter bundles.** *Frontiers in neuroscience*
Meisler, S. L., Kubota, E., Grotheer, M., Gabrieli, J. D., Grill-Spector, K.
2024; 18: 1385847
- **Rethinking simultaneous suppression in visual cortex via compressive spatiotemporal population receptive fields.** *Nature communications*
Kupers, E. R., Kim, I., Grill-Spector, K.
2024; 15 (1): 6885
- **Both mOTS-words and pOTS-words prefer emoji stimuli over text stimuli during a lexical judgment task.** *Cerebral cortex (New York, N.Y. : 1991)*

- Dalski, A., Kular, H., Jorgensen, J. G., Grill-Spector, K., Grotheer, M.
2024; 34 (8)
- **White matter connections of human ventral temporal cortex are organized by cytoarchitecture, eccentricity, and category-selectivity from birth.** *bioRxiv : the preprint server for biology*
Kubota, E., Yan, X., Tung, S., Fascendini, B., Tyagi, C., Duhamel, S., Ortiz, D., Grotheer, M., Natu, V. S., Keil, B., Grill-Spector, K.
2024
 - **A unifying framework for functional organization in early and higher ventral visual cortex.** *Neuron*
Margalit, E., Lee, H., Finzi, D., DiCarlo, J. J., Grill-Spector, K., Yamins, D. L.
2024
 - **High-resolution myelin-water fraction and quantitative relaxation mapping using 3D ViSTa-MR fingerprinting.** *Magnetic resonance in medicine*
Liao, C., Cao, X., Iyer, S. S., Schauman, S., Zhou, Z., Yan, X., Chen, Q., Li, Z., Wang, N., Gong, T., Wu, Z., He, H., Zhong, et al
2023
 - **High-resolution myelin-water fraction and quantitative relaxation mapping using 3D ViSTa-MR fingerprinting.** *ArXiv*
Liao, C., Cao, X., Srinivasan Iyer, S., Schauman, S., Zhou, Z., Yan, X., Chen, Q., Li, Z., Wang, N., Gong, T., Wu, Z., He, H., Zhong, et al
2023
 - **Longitudinal development of category representations in ventral temporal cortex predicts word and face recognition.** *Nature communications*
Nordt, M., Gomez, J., Natu, V. S., Rezai, A. A., Finzi, D., Kular, H., Grill-Spector, K.
2023; 14 (1): 8010
 - **Characterizing spatiotemporal population receptive fields in human visual cortex with fMRI.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Kim, I., Kupers, E. R., Lerma-Usabiaga, G., Grill-Spector, K.
2023
 - **Both mOTS-words and pOTS-words prefer emoji stimuli over text stimuli during a reading task.** *bioRxiv : the preprint server for biology*
Dalski, A., Kular, H., Jorgensen, J. G., Grill-Spector, K., Grotheer, M.
2023
 - **Rethinking cortical recycling in ventral temporal cortex.** *Trends in cognitive sciences*
Kubota, E., Grill-Spector, K., Nordt, M.
2023
 - **Human white matter myelinates faster in utero than ex utero.** *Proceedings of the National Academy of Sciences of the United States of America*
Grotheer, M., Bloom, D., Kruper, J., Richie-Halford, A., Zika, S., Aguilera Gonzalez, V. A., Yeatman, J. D., Grill-Spector, K., Rokem, A.
2023; 120 (33): e2303491120
 - **Rethinking simultaneous suppression in visual cortex via compressive spatiotemporal population receptive fields.** *bioRxiv : the preprint server for biology*
Kupers, E. R., Kim, I., Grill-Spector, K.
2023
 - **A Unifying Principle for the Functional Organization of Visual Cortex.** *bioRxiv : the preprint server for biology*
Margalit, E., Lee, H., Finzi, D., DiCarlo, J. J., Grill-Spector, K., Yamins, D. L.
2023
 - **Characterizing spatiotemporal population receptive fields in human visual cortex with fMRI.** *bioRxiv : the preprint server for biology*
Kim, I., Kupers, E. R., Lerma-Usabiaga, G., Grill-Spector, K.
2023
 - **Comparing retinotopic maps of children and adults reveals a late-stage change in how V1 samples the visual field.** *Nature communications*
Himmelberg, M. M., Tuncok, E., Gomez, J., Grill-Spector, K., Carrasco, M., Winawer, J.
2023; 14 (1): 1561

- **White matter connections of high-level visual areas predict cytoarchitecture better than category-selectivity in childhood, but not adulthood.** *Cerebral cortex (New York, N.Y. : 1991)*
Kubota, E., Grotheer, M., Finzi, D., Natu, V. S., Gomez, J., Grill-Spector, K.
2022
- **White matter myelination during early infancy is linked to spatial gradients and myelin content at birth.** *Nature communications*
Grotheer, M., Rosenke, M., Wu, H., Kular, H., Querdas, F. R., Natu, V. S., Yeatman, J. D., Grill-Spector, K.
2022; 13 (1): 997
- **Attention enhances category representations across the brain with strengthened residual correlations to ventral temporal cortex.** *NeuroImage*
Keller, A. S., Jagadeesh, A., Bugatus, L., Williams, L. M., Grill-Spector, K.
2022: 118900
- **Establishing the functional relevancy of white matter connections in the visual system and beyond.** *Brain structure & function*
Grotheer, M., Kubota, E., Grill-Spector, K.
2021
- **Infants' cortex undergoes microstructural growth coupled with myelination during development.** *Communications biology*
Natu, V. S., Rosenke, M., Wu, H., Querdas, F. R., Kular, H., Lopez-Alvarez, N., Grotheer, M., Berman, S., Mezer, A. A., Grill-Spector, K.
2021; 4 (1): 1191
- **Holistic face recognition is an emergent phenomenon of spatial processing in face-selective regions.** *Nature communications*
Poltoratski, S., Kay, K., Finzi, D., Grill-Spector, K.
2021; 12 (1): 4745
- **Cortical recycling in high-level visual cortex during childhood development.** *Nature human behaviour*
Nordt, M., Gomez, J., Natu, V. S., Rezai, A. A., Finzi, D., Kular, H., Grill-Spector, K.
2021
- **Differential spatial computations in ventral and lateral face-selective regions are scaffolded by structural connections.** *Nature communications*
Finzi, D., Gomez, J., Nordt, M., Rezai, A. A., Poltoratski, S., Grill-Spector, K.
2021; 12 (1): 2278
- **White matter fascicles and cortical microstructure predict reading-related responses in human ventral temporal cortex.** *NeuroImage*
Grotheer, M., Yeatman, J., Grill-Spector, K.
2020: 117669
- **Sulcal Depth in the Medial Ventral Temporal Cortex Predicts the Location of a Place-Selective Region in Macaques, Children, and Adults.** *Cerebral cortex (New York, N.Y. : 1991)*
Natu, V. S., Arcaro, M. J., Barnett, M. A., Gomez, J., Livingstone, M., Grill-Spector, K., Weiner, K. S.
2020
- **The structure of depressive symptoms and characteristics and their relation to overall severity in major depressive disorder.** *Psychiatry research*
Miller, C. H., Davis, E. G., King, L. S., Sacchet, M. D., Grill-Spector, K., Gotlib, I. H.
2020; 294: 113399
- **Diverse Temporal Dynamics of Repetition Suppression Revealed by Intracranial Recordings in the Human Ventral Temporal Cortex.** *Cerebral cortex (New York, N.Y. : 1991)*
Rangarajan, V., Jacques, C., Knight, R. T., Weiner, K. S., Grill-Spector, K.
2020
- **Combined Neural Tuning in Human Ventral Temporal Cortex Resolves the Perceptual Ambiguity of Morphed 2D Images.** *Cerebral cortex (New York, N.Y. : 1991)*
Rosenke, M., Davidenko, N., Grill-Spector, K., Weiner, K. S.
2020
- **Ultra-high-resolution fMRI of human ventral temporal cortex reveals differential representation of categories and domains.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*

Margalit, E., Jamison, K. W., Weiner, K. S., Vizioli, L., Zhang, R., Kay, K. N., Grill-Spector, K.
2020

- **A Probabilistic Functional Atlas of Human Occipito-Temporal Visual Cortex.** *Cerebral cortex (New York, N.Y. : 1991)*
Rosenke, M. n., van Hoof, R. n., van den Hurk, J. n., Grill-Spector, K. n., Goebel, R. n.
2020
- **X-chromosome insufficiency alters receptive fields across the human early visual cortex.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Green, T., Hosseini, H., Piccirilli, A., Ishak, A., Grill-Spector, K., Reiss, A. L.
2019
- **Neural adaptation to faces reveals racial outgroup homogeneity effects in early perception.** *Proceedings of the National Academy of Sciences of the United States of America*
Hughes, B. L., Camp, N. P., Gomez, J., Natu, V. S., Grill-Spector, K., Eberhardt, J. L.
2019
- **Extensive childhood experience with Pokemon suggests eccentricity drives organization of visual cortex** *NATURE HUMAN BEHAVIOUR*
Gomez, J., Barnett, M., Grill-Spector, K.
2019; 3 (6): 611–24
- **Development of population receptive fields in the lateral visual stream improves spatial coding amid stable structural-functional coupling** *NEUROIMAGE*
Gomez, J., Drain, A., Jeska, B., Natu, V. S., Barnett, M., Grill-Spector, K.
2019; 188: 59-69
- **Differential sustained and transient temporal processing across visual streams.** *PLoS computational biology*
Stigliani, A. n., Jeska, B. n., Grill-Spector, K. n.
2019; 15 (5): e1007011
- **Separate lanes for adding and reading in the white matter highways of the human brain.** *Nature communications*
Grotheer, M. n., Zhen, Z. n., Lerma-Usabiaga, G. n., Grill-Spector, K. n.
2019; 10 (1): 3675
- **Apparent thinning of human visual cortex during childhood is associated with myelination.** *Proceedings of the National Academy of Sciences of the United States of America*
Natu, V. S., Gomez, J. n., Barnett, M. n., Jeska, B. n., Kirilina, E. n., Jaeger, C. n., Zhen, Z. n., Cox, S. n., Weiner, K. S., Weiskopf, N. n., Grill-Spector, K. n.
2019
- **Development of population receptive fields in the lateral visual stream improves spatial coding amid stable structural-functional coupling.** *NeuroImage*
Gomez, J., Drain, A., Jeska, B., Natu, V., Barnett, M., Grill-Spector, K.
2018
- **The functional neuroanatomy of face perception: from brain measurements to deep neural networks**
Grill-Spector, K., Weiner, K. S., Gomez, J., Stigliani, A., Natu, V. S.
ROYAL SOC.2018
- **The functional neuroanatomy of face perception: from brain measurements to deep neural networks.** *Interface focus*
Grill-Spector, K., Weiner, K. S., Gomez, J., Stigliani, A., Natu, V. S.
2018; 8 (4): 20180013
- **A preference for mathematical processing outweighs the selectivity for Arabic numbers in the inferior temporal gyrus.** *NeuroImage*
Grotheer, M., Jeska, B., Grill-Spector, K.
2018; 175: 188–200
- **A preference for mathematical processing outweighs the selectivity for Arabic numbers in the inferior temporal gyrus** *NEUROIMAGE*
Grotheer, M., Jeska, B., Grill-Spector, K.
2018; 175: 188-200

- **On object selectivity and the anatomy of the human fusiform gyrus** *NEUROIMAGE*
Weiner, K. S., Natu, V. S., Grill-Spector, K.
2018; 173: 604–9
- **Development differentially sculpts receptive fields across early and high-level human visual cortex.** *Nature communications*
Gomez, J., Natu, V., Jeska, B., Barnett, M., Grill-Spector, K.
2018; 9 (1): 788
- **Development differentially sculpts receptive fields across early and high-level human visual cortex** *Nature Communications*
Gomez, J., Natu, V., Jeska, B., Barnett, M., Grill-Spector, K.
2018; 9: 788
- **Learning to Read Increases the Informativeness of Distributed Ventral Temporal Responses.** *Cerebral cortex (New York, N.Y. : 1991)*
Nordt, M. n., Gomez, J. n., Natu, V. n., Jeska, B. n., Barnett, M. n., Grill-Spector, K. n.
2018
- **Data on a cytoarchitectonic brain atlas: effects of brain template and a comparison to a multimodal atlas.** *Data in brief*
Rosenke, M., Weiner, K. S., Barnett, M. A., Zilles, K., Amunts, K., Goebel, R., Grill-Spector, K.
2017; 12: 327-332
- **Defining the most probable location of the parahippocampal place area using cortex-based alignment and cross-validation.** *NeuroImage*
Weiner, K. S., Barnett, M. A., Witthoft, N., Golarai, G., Stigliani, A., Kay, K. N., Gomez, J., Natu, V. S., Amunts, K., Zilles, K., Grill-Spector, K.
2017
- **Task alters category representations in prefrontal but not high-level visual cortex.** *NeuroImage*
Bugatus, L., Weiner, K. S., Grill-Spector, K.
2017
- **A cross-validated cytoarchitectonic atlas of the human ventral visual stream.** *NeuroImage*
Rosenke, M., Weiner, K. S., Barnett, M. A., Zilles, K., Amunts, K., Goebel, R., Grill-Spector, K.
2017
- **Experience Shapes the Development of Neural Substrates of Face Processing in Human Ventral Temporal Cortex** *CEREBRAL CORTEX*
Golarai, G., Liberman, A., Grill-Spector, K.
2017; 27 (2): 1229-1244
- **Microstructural proliferation in human cortex is coupled with the development of face processing** *SCIENCE*
Gomez, J., Barnett, M. A., Natu, V., Mezer, A., Palomero-Gallagher, N., Weiner, K. S., Amunts, K., Zilles, K., Grill-Spector, K.
2017; 355 (6320): 68-?
- **The Cytoarchitecture of Domain-specific Regions in Human High-level Visual Cortex** *CEREBRAL CORTEX*
Weiner, K. S., Barnett, M. A., Lorenz, S., Caspers, J., Stigliani, A., Amunts, K., Zilles, K., Fischl, B., Grill-Spector, K.
2017; 27 (1): 146-161
- **The Functional Neuroanatomy of Human Face Perception.** *Annual review of vision science*
Grill-Spector, K. n., Weiner, K. S., Kay, K. n., Gomez, J. n.
2017; 3: 167–96
- **Encoding model of temporal processing in human visual cortex.** *Proceedings of the National Academy of Sciences of the United States of America*
Stigliani, A. n., Jeska, B. n., Grill-Spector, K. n.
2017; 114 (51): E11047–E11056
- **Two New Cytoarchitectonic Areas on the Human Mid-Fusiform Gyrus** *CEREBRAL CORTEX*
Lorenz, S., Weiner, K. S., Caspers, J., Mohlberg, H., Schleicher, A., Bludau, S., Eickhoff, S., Grill-Spector, K., Zilles, K., Amunts, K.
2017; 27 (1): 373-385
- **The Cytoarchitecture of Domain-specific Regions in Human High-level Visual Cortex.** *Cerebral cortex*
Weiner, K. S., Barnett, M. A., Lorenz, S., Caspers, J., Stigliani, A., Amunts, K., Zilles, K., Fischl, B., Grill-Spector, K.
2016: -?

- **Development of Neural Sensitivity to Face Identity Correlates with Perceptual Discriminability.** *journal of neuroscience*
Natu, V. S., Barnett, M. A., Hartley, J., Gomez, J., Stigliani, A., Grill-Spector, K.
2016; 36 (42): 10893-10907
- **The Face-Processing Network Is Resilient to Focal Resection of Human Visual Cortex.** *journal of neuroscience*
Weiner, K. S., Jonas, J., Gomez, J., Maillard, L., Brissart, H., Hossu, G., Jacques, C., Loftus, D., Colnat-Coulbois, S., Stigliani, A., Barnett, M. A., Grill-Spector, K., Rossion, et al
2016; 36 (32): 8425-8440
- **Learning the 3-D structure of objects from 2-D views depends on shape, not format** *JOURNAL OF VISION*
Tian, M., Yamins, D., Grill-Spector, K.
2016; 16 (7)
- **Corresponding ECoG and fMRI category-selective signals in human ventral temporal cortex.** *Neuropsychologia*
Jacques, C., Witthoft, N., Weiner, K. S., Foster, B. L., Rangarajan, V., Hermes, D., Miller, K. J., Parvizi, J., Grill-Spector, K.
2016; 83: 14-28
- **Introduction to the special issue on functional selectivity in perceptual and cognitive systems--a tribute to Shlomo Bentin (1946-2012).** *Neuropsychologia*
Deouell, L. Y., Grill-Spector, K. n., Malach, R. n., Murray, M. M., Rossion, B. n.
2016; 83: 1-4
- **Experience Shapes the Development of Neural Substrates of Face Processing in Human Ventral Temporal Cortex.** *Cerebral cortex*
Golarai, G., Liberman, A., Grill-Spector, K.
2015
- **Two New Cytoarchitectonic Areas on the Human Mid-Fusiform Gyrus.** *Cerebral cortex*
Lorenz, S., Weiner, K. S., Caspers, J., Mohlberg, H., Schleicher, A., Bludau, S., Eickhoff, S. B., Grill-Spector, K., Zilles, K., Amunts, K.
2015
- **Temporal Processing Capacity in High-Level Visual Cortex Is Domain Specific.** *journal of neuroscience*
Stigliani, A., Weiner, K. S., Grill-Spector, K.
2015; 35 (36): 12412-12424
- **The evolution of face processing networks.** *Trends in cognitive sciences*
Weiner, K. S., Grill-Spector, K.
2015; 19 (5): 240-241
- **Attention reduces spatial uncertainty in human ventral temporal cortex.** *Current biology*
Kay, K. N., Weiner, K. S., Grill-Spector, K.
2015; 25 (5): 595-600
- **Feature saliency and feedback information interactively impact visual category learning** *FRONTIERS IN PSYCHOLOGY*
Hammer, R., Sloutsky, V., Grill-Spector, K.
2015; 6
- **Functionally defined white matter reveals segregated pathways in human ventral temporal cortex associated with category-specific processing.** *Neuron*
Gomez, J., Pestilli, F., Witthoft, N., Golarai, G., Liberman, A., Poltoratski, S., Yoon, J., Grill-Spector, K.
2015; 85 (1): 216-227
- **Spatiotemporal information during unsupervised learning enhances viewpoint invariant object recognition** *JOURNAL OF VISION*
Tian, M., Grill-Spector, K.
2015; 15 (6)
- **Electrical Stimulation of the Left and Right Human Fusiform Gyrus Causes Different Effects in Conscious Face Perception** *JOURNAL OF NEUROSCIENCE*
Rangarajan, V., Hermes, D., Foster, B. L., Weiner, K. S., Jacques, C., Grill-Spector, K., Parvizi, J.
2014; 34 (38): 12828-12836

- **Electrical stimulation of the left and right human fusiform gyrus causes different effects in conscious face perception.** *journal of neuroscience*
Rangarajan, V., Hermes, D., Foster, B. L., Weiner, K. S., Jacques, C., Grill-Spector, K., Parvizi, J.
2014; 34 (38): 12828-12836
- **Where Is Human V4? Predicting the Location of hV4 and VO1 from Cortical Folding.** *Cerebral cortex*
Witthoft, N., Nguyen, M. L., Golarai, G., LaRocque, K. F., Liberman, A., Smith, M. E., Grill-Spector, K.
2014; 24 (9): 2401-2408
- **The functional architecture of the ventral temporal cortex and its role in categorization.** *Nature reviews. Neuroscience*
Grill-Spector, K., Weiner, K. S.
2014; 15 (8): 536-548
- **The mid-fusiform sulcus: A landmark identifying both cytoarchitectonic and functional divisions of human ventral temporal cortex** *NEUROIMAGE*
Weiner, K. S., Golarai, G., Caspers, J., Chuapoco, M. R., Mohlberg, H., Zilles, K., Amunts, K., Grill-Spector, K.
2014; 84: 453-465
- **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.** *Clinical EEG and neuroscience*
He, B. J., Nolte, G., Nagata, K., Takano, D., Yamazaki, T., Fujimaki, Y., Maeda, T., Satoh, Y., Heckers, S., George, M. S., Lopes Da Silva, F., De Munck, J. C., van Houdt, et al
2013: -?
- **Global Similarity and Pattern Separation in the Human Medial Temporal Lobe Predict Subsequent Memory** *JOURNAL OF NEUROSCIENCE*
LaRocque, K. F., Smith, M. E., Carr, V. A., Witthoft, N., Grill-Spector, K., Wagner, A. D.
2013; 33 (13): 5466-5474
- **Neural representations of faces and limbs neighbor in human high-level visual cortex: evidence for a new organization principle** *PSYCHOLOGICAL RESEARCH-PSYCHOLOGISCHE FORSCHUNG*
Weiner, K. S., Grill-Spector, K.
2013; 77 (1): 74-97
- **THE FUSIFORM GYRUS REPRESENTS THE AGE OF FACES**
Golarai, G., Liberman, A., Grill-Spector, K.
MIT PRESS.2013: 205
- **Electrical Stimulation of Human Fusiform Face-Selective Regions Distorts Face Perception** *JOURNAL OF NEUROSCIENCE*
Parvizi, J., Jacques, C., Foster, B. L., Witthoft, N., Rangarajan, V., Weiner, K. S., Grill-Spector, K.
2012; 32 (43): 14915-14920
- **Face-likeness and image variability drive responses in human face-selective ventral regions** *HUMAN BRAIN MAPPING*
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