

Kevin Sean Weiner

Social Sci Res Scholar, Psychology

Publications

PUBLICATIONS

- **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 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
- **The anatomical and functional specialization of the fusiform gyrus.** *Neuropsychologia*
Weiner, K. S., Zilles, K.
2016; 83: 48-62
- **The posterior arcuate fasciculus and the vertical occipital fasciculus.** *Cortex; a journal devoted to the study of the nervous system and behavior*
Weiner, K. S., Yeatman, J. D., Wandell, B. A.
2016
- **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
- **The evolution of face processing networks.** *Trends in cognitive sciences*
Weiner, K. S., Grill-Spector, K.
2015; 19 (5): 240-241
- **The vertical occipital fasciculus: A century of controversy resolved by in vivo measurements** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Yeatman, J. D., Weiner, K. S., Pestilli, F., Rokem, A., Mezer, A., Wandell, B. A.
2014; 111 (48): E5214-E5223
- **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
- **History: Two brains and a forgotten theory.** *Nature*
Weiner, K. S.
2014; 509 (7498): 33

- **The improbable simplicity of the fusiform face area** *TRENDS IN COGNITIVE SCIENCES*
Weiner, K. S., Grill-Spector, K.
2012; 16 (5): 251-254
- **Not one extrastriate body area: Using anatomical landmarks, hMT+, and visual field maps to parcellate limb-selective activations in human lateral occipitotemporal cortex** *NEUROIMAGE*
Weiner, K. S., Grill-Spector, K.
2011; 56 (4): 2183-2199
- **Sparsely-distributed organization of face and limb activations in human ventral temporal cortex** *NEUROIMAGE*
Weiner, K. S., Grill-Spector, K.
2010; 52 (4): 1559-1573
- **fMRI-Adaptation and Category Selectivity in Human Ventral Temporal Cortex: Regional Differences Across Time Scales** *JOURNAL OF NEUROPHYSIOLOGY*
Weiner, K. S., Sayres, R., Vinberg, J., Grill-Spector, K.
2010; 103 (6): 3349-3365
- **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
- **Occipital White Matter Tracts in Human and Macaque.** *Cerebral cortex (New York, N.Y. : 1991)*
Takemura, H., Pestilli, F., Weiner, K. S., Keliris, G. A., Landi, S. M., Sliwa, J., Ye, F. Q., Barnett, M. A., Leopold, D. A., Freiwald, W. A., Logothetis, N. K., Wandell, B. A.
2017; 27 (6): 3346-3359
- **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
- **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: -?
- **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
- **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
- **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
- **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
 - **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
 - **Electrical Stimulation of Human Fusiform Face-Selective Regions Distorts Face Perception** *JOURNAL OF NEUROSCIENCE*
Parvizi, J., Jacques, C., Foster, B. L., Withoft, N., Rangarajan, V., Weiner, K. S., Grill-Spector, K.
2012; 32 (43): 14915-14920
 - **Synchrony upon repetition: One or multiple neural mechanisms?** *COGNITIVE NEUROSCIENCE*
Weiner, K. S., Grill-Spector, K.
2012; 3 (3-4): 243-244
 - **Illusions of Visual Motion Elicited by Electrical Stimulation of Human MT Complex** *PLOS ONE*
Rauschecker, A. M., Dastjerdi, M., Weiner, K. S., Witthoft, N., Chen, J., Selimbeyoglu, A., Parvizi, J.
2011; 6 (7)
 - **Neural Representations of Faces and Body Parts in Macaque and Human Cortex: A Comparative fMRI Study** *JOURNAL OF NEUROPHYSIOLOGY*
Pinsk, M. A., Arcaro, M., Weiner, K. S., Kalkus, J. F., Inati, S. J., Gross, C. G., Kastner, S.
2009; 101 (5): 2581-2600
 - **Topographic maps in human frontal cortex revealed in memory-guided saccade and spatial working-memory tasks** *JOURNAL OF NEUROPHYSIOLOGY*
Kastner, S., DeSimone, K., Konen, C. S., Szczepanski, S. M., Weiner, K. S., Schneider, K. A.
2007; 97 (5): 3494-3507