



## Josef Parvizi, MD, PhD

Professor of Neurology (Adult Neurology) and, by courtesy, of Neurosurgery  
Neurology & Neurological Sciences

### CLINICAL OFFICE (PRIMARY)

- **Stanford Neuroscience Health Center**

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### Bio

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#### BIO

Dr. Parvizi completed his medical internship at Mayo Clinic, neurology training at Harvard, and subspecialty training in clinical neurophysiology and epilepsy at UCLA before joining the Department of Neurology and Neurological Sciences at Stanford in 2007. Dr. Parvizi directs the Stanford Program for Medication Resistant Epilepsies and specializes in surgical treatments of intractable focal epilepsies. Dr. Parvizi is the principal investigator in the Laboratory of Behavioral and Cognitive Neuroscience, where he leads a team of investigators to study the human brain. <http://med.stanford.edu/parvizi-lab.html>.

#### CLINICAL FOCUS

- Uncontrollable Seizures
- electrocorticography
- functional brain mapping
- Epilepsy

#### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Neurology & Neurological Sciences
- Professor - University Medical Line (By courtesy), Neurosurgery
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

#### PROFESSIONAL EDUCATION

- Board Certification: Epilepsy, American Board of Psychiatry and Neurology (2016)
- Board Certification: Neurology, American Board of Psychiatry and Neurology (2008)
- Fellowship: UCLA Dept of Neurology (2007) CA
- Residency: Beth Israel Deaconess Medical Center Neurology Residency (2006) MA

- Internship: Mayo Clinic Internal Medicine Residency (2003) MN
- Medical Education: University of Oslo Medical School (1995) Norway
- PhD, University of Iowa , Neuroscience (1999)

## COMMUNITY AND INTERNATIONAL WORK

- Free Neurology Clinic, Menlo Park - Arbor Clinic ([www.arbor.stanford.edu](http://www.arbor.stanford.edu))

## LINKS

- Laboratory of Behavioral and Cognitive Neuroscience: <http://neurology.stanford.edu/labs/parvizilab/>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

## Teaching

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### STANFORD ADVISEES

#### Med Scholar Project Advisor

Sina Sadeghzadeh

#### Postdoctoral Faculty Sponsor

Weichen Huang, Hee Jung Jung, Dian Lyu, James Stieger

#### Doctoral Dissertation Reader (NonAC)

Christopher Minasi

## Publications

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### PUBLICATIONS

- **Causal evidence for the processing of bodily self in the anterior precuneus.** *Neuron*  
Lyu, D., Stieger, J. R., Xin, C., Ma, E., Lusk, Z., Aparicio, M. K., Werbaneth, K., Perry, C. M., Deisseroth, K., Buch, V., Parvizi, J.  
2023
- **Multisite thalamic recordings to characterize seizure propagation in the human brain.** *Brain : a journal of neurology*  
Wu, T. Q., Kaboodvand, N., McGinn, R. J., Veit, M., Davey, Z., Datta, A., Graber, K. D., Meador, K. J., Fisher, R., Buch, V., Parvizi, J.  
2023
- **Causal mapping of human brain function.** *Nature reviews. Neuroscience*  
Siddiqi, S. H., Kording, K. P., Parvizi, J., Fox, M. D.  
2022
- **Intrinsic network architecture predicts the effects elicited by intracranial electrical stimulation of the human brain.** *Nature human behaviour*  
Fox, K. C., Shi, L., Baek, S., Raccach, O., Foster, B. L., Saha, S., Margulies, D. S., Kucyi, A., Parvizi, J.  
2020
- **Cognitive refractory state caused by spontaneous epileptic high-frequency oscillations in the human brain.** *Science translational medicine*  
Liu, S., Parvizi, J.  
2019; 11 (514)
- **Promises and limitations of human intracranial electroencephalography** *NATURE NEUROSCIENCE*  
Parvizi, J., Kastner, S.  
2018; 21 (4): 474–83
- **Intracranial Electrophysiology of the Human Default Network** *TRENDS IN COGNITIVE SCIENCES*  
Fox, K. R., Foster, B. L., Kucyi, A., Daitch, A. L., Parvizi, J.  
2018; 22 (4): 307–24

- **Intrinsic and Task-Dependent Coupling of Neuronal Population Activity in Human Parietal Cortex** *NEURON*  
Foster, B. L., Rangarajan, V., Shirer, W. R., Parvizi, J.  
2015; 86 (2): 578-590
- **The will to persevere induced by electrical stimulation of the human cingulate gyrus.** *Neuron*  
Parvizi, J., Rangarajan, V., Shirer, W. R., Desai, N., Greicius, M. D.  
2013; 80 (6): 1359-1367
- **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
- **Neural populations in human posteromedial cortex display opposing responses during memory and numerical processing** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Foster, B. L., Dastjerdi, M., Parvizi, J.  
2012; 109 (38): 15514-15519
- **Corticocentric myopia: old bias in new cognitive sciences** *TRENDS IN COGNITIVE SCIENCES*  
Parvizi, J.  
2009; 13 (8): 354-359
- **Naturalistic acute pain states decoded from neural and facial dynamics.** *bioRxiv : the preprint server for biology*  
Huang, Y., Gopal, J., Kakusa, B., Li, A. H., Huang, W., Wang, J. B., Persad, A., Ramayya, A., Parvizi, J., Buch, V. P., Keller, C.  
2024
- **The Cost of After-Hour Electroencephalography.** *Neurology. Clinical practice*  
Ney, J. P., Nuwer, M. R., Hirsch, L. J., Burdelle, M., Trice, K., Parvizi, J.  
2024; 14 (2): e200264
- **Spatiotemporal dynamics of successive activations across the human brain during simple arithmetic processing.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*  
Pinheiro-Chagas, P., Sava-Segal, C., Akkol, S., Daitch, A., Parvizi, J.  
2024
- **Intracranial recordings of the human orbitofrontal cortical activity during self-referential episodic and valenced self-judgments.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*  
Iravani, B., Kaboodvand, N., Stieger, J. R., Liang, E. Y., Lusk, Z., Fransson, P., Deutsch, G. K., Gotlib, I. H., Parvizi, J.  
2024
- **Evolution of SEEG Strategy: Stanford Experience.** *Neurosurgery clinics of North America*  
Buch, V. P., Parvizi, J.  
2024; 35 (1): 83-85
- **IMPROVEMENTS IN A MACHINE-LEARNING ALGORITHM FOR DETECTING STATUS EPILEPTICUS**  
Kamoussi, B., Gupta, A., Karunakaran, S., Marjaninejad, A., Woo, R., Parvizi, J.  
LIPPINCOTT WILLIAMS & WILKINS.2024
- **Subjective states induced by intracranial electrical stimulation matches the cytoarchitectonic organization of the human insula.** *Brain stimulation*  
Duong, A., Quabs, J., Kucyi, A., Lusk, Z., Buch, V., Caspers, S., Parvizi, J.  
2023
- **Gaining Clarity on the Clarit# Algorithm.** *Neurocritical care*  
Parvizi, J., Gururangan, K., Knickerbocker, D., Kamoussi, B., Woo, R.  
2023
- **Direct intracranial recordings in the human angular gyrus during arithmetic processing.** *Brain structure & function*  
Pinheiro-Chagas, P., Chen, F., Sabetfakhri, N., Perry, C., Parvizi, J.  
2022
- **Complex negative emotions induced by electrical stimulation of the human hypothalamus.** *Brain stimulation*

- Parvizi, J., Veit, M. J., Barbosa, D. A., Kucyi, A., Perry, C., Parker, J. J., Shivacharan, R. S., Chen, F., Yih, J., Gross, J. J., Fisher, R., McNab, J. A., Falco-Walter, et al  
2022
- **Electrocorticographic evidence of a common neurocognitive sequence for mentalizing about the self and others.** *Nature communications*  
Tan, K. M., Daitch, A. L., Pinheiro-Chagas, P., Fox, K. C., Parvizi, J., Lieberman, M. D.  
2022; 13 (1): 1919
  - **Temporal order of signal propagation within and across intrinsic brain networks.** *Proceedings of the National Academy of Sciences of the United States of America*  
Veit, M. J., Kucyi, A., Hu, W., Zhang, C., Zhao, B., Guo, Z., Yang, B., Sava-Segal, C., Perry, C., Zhang, J., Zhang, K., Parvizi, J.  
2021; 118 (48)
  - **Overlapping Neuronal Population Responses in the Human Parietal Cortex during Visuospatial Attention and Arithmetic Processing** *JOURNAL OF COGNITIVE NEUROSCIENCE*  
Liu, N., Pinheiro-Chagas, P., Sava-Segal, C., Kastner, S., Chen, Q., Parvizi, J.  
2021; 33 (12): 2548-2558
  - **Altered sense of self during seizures in the posteromedial cortex.** *Proceedings of the National Academy of Sciences of the United States of America*  
Parvizi, J., Braga, R. M., Kucyi, A., Veit, M. J., Pinheiro-Chagas, P., Perry, C., Sava-Segal, C., Zeineh, M., van Staalduinen, E. K., Henderson, J. M., Markert, M.  
2021; 118 (29)
  - **Hippocampal ripples and their coordinated dialogue with the default mode network during recent and remote recollection.** *Neuron*  
Norman, Y., Raccach, O., Liu, S., Parvizi, J., Malach, R.  
2021
  - **Intracranial electroencephalography reveals selective responses to cognitive stimuli in the periventricular heterotopias.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*  
Akkol, S., Kucyi, A., Hu, W., Zhao, B., Zhang, C., Sava-Segal, C., Liu, S., Razavi, B., Zhang, J., Zhang, K., Parvizi, J.  
2021
  - **Fidelity of first-person reports following intracranial neuromodulation of the human brain: An empirical assessment of sham stimulation in neurosurgical patients.** *Brain stimulation*  
Fox, K. C., Parvizi, J.  
2020
  - **Monitoring the Burden of Seizures and Highly Epileptiform Patterns in Critical Care with a Novel Machine Learning Method.** *Neurocritical care*  
Kamoussi, B., Karunakaran, S., Gururangan, K., Markert, M., Decker, B., Khankhanian, P., Mainardi, L., Quinn, J., Woo, R., Parvizi, J.  
2020
  - **Deep posteromedial cortical rhythm in dissociation.** *Nature*  
Vesuna, S., Kauvar, I. V., Richman, E., Gore, F., Oskotsky, T., Sava-Segal, C., Luo, L., Malenka, R. C., Henderson, J. M., Nuyujukian, P., Parvizi, J., Deisseroth, K.  
2020
  - **Pupillary dynamics link spontaneous and task-evoked activations recorded directly from human insula.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*  
Kucyi, A., Parvizi, J.  
2020
  - **Fast temporal dynamics and causal relevance of face processing in the human temporal cortex.** *Nature communications*  
Schrouff, J., Raccach, O., Baek, S., Rangarajan, V., Salehi, S., Mourao-Miranda, J., Helili, Z., Daitch, A. L., Parvizi, J.  
2020; 11 (1): 656
  - **Electrophysiological dynamics of antagonistic brain networks reflect attentional fluctuations.** *Nature communications*  
Kucyi, A., Daitch, A., Raccach, O., Zhao, B., Zhang, C., Esterman, M., Zeineh, M., Halpern, C. H., Zhang, K., Zhang, J., Parvizi, J.  
2020; 11 (1): 325
  - **Evaluating the Clinical Impact of Rapid Response Electroencephalography: The DECIDE Multicenter Prospective Observational Clinical Study.** *Critical care medicine*

- Vespa, P. M., Olson, D. M., John, S. n., Hobbs, K. S., Gururangan, K. n., Nie, K. n., Desai, M. J., Markert, M. n., Parvizi, J. n., Bleck, T. P., Hirsch, L. J., Westover, M. B.  
2020
- **Midline and Parasagittal Seizures are Rare in Adult Patients.** *Neurocritical care*  
Gururangan, K., Parvizi, J.  
2019
  - **Brain Mechanisms of Arithmetic: A Crucial Role for Ventral Temporal Cortex**  
Pinheiro-Chagas, P., Daitch, A., Parvizi, J., Dehaene, S.  
SAGE PUBLICATIONS LTD.2019: 170–71
  - **Intensity of affective experience is modulated by magnitude of intracranial electrical stimulation in human orbitofrontal, cingulate and insular cortices** *SOCIAL COGNITIVE AND AFFECTIVE NEUROSCIENCE*  
Yih, J., Beam, D. E., Fox, K. R., Parvizi, J.  
2019; 14 (4): 339–51
  - **Temporal Dynamics and Response Modulation across the Human Visual System in a Spatial Attention Task An ECoG Study** *JOURNAL OF NEUROSCIENCE*  
Martin, A. B., Yang, X., Saalman, Y. B., Wang, L., Shestyuk, A., Lin, J. J., Parvizi, J., Knight, R. T., Kastner, S.  
2019; 39 (2): 333-352
  - **Electrical stimulation of the human claustrum.** *Epilepsy & behavior : E&B*  
Bickel, S. n., Parvizi, J. n.  
2019
  - **A systematic study of stereotypy in epileptic seizures versus psychogenic seizure-like events** *EPILEPSY & BEHAVIOR*  
Vogrig, A., Hsiang, J., Ng, J., Rolnick, J., Cheng, J., Parvizi, J.  
2019; 90: 172-177
  - **A systematic study of stereotypy in epileptic seizures versus psychogenic seizure-like events.** *Epilepsy & behavior : E&B*  
Vogrig, A., Hsiang, J. C., Ng, J., Rolnick, J., Cheng, J., Parvizi, J.  
2018; 90: 172–77
  - **Brain Mechanisms of Arithmetic: A Crucial Role for Ventral Temporal Cortex** *JOURNAL OF COGNITIVE NEUROSCIENCE*  
Pinheiro-Chagas, P., Daitch, A., Parvizi, J., Dehaene, S.  
2018; 30 (12): 1757–72
  - **Direct Cortical Recordings Suggest Temporal Order of Task-Evoked Responses in Human Dorsal Attention and Default Networks** *JOURNAL OF NEUROSCIENCE*  
Racah, O., Daitch, A. L., Kucyi, A., Parvizi, J.  
2018; 38 (48): 10305-10313
  - **Temporal dynamics and response modulation across the human visual system in a spatial attention task: an ECoG study.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*  
Martin, A. B., Yang, X., Saalman, Y. B., Wang, L., Shestyuk, A., Lin, J. J., Parvizi, J., Knight, R. T., Kastner, S.  
2018
  - **Changes in subjective experience elicited by direct stimulation of the human orbitofrontal cortex** *NEUROLOGY*  
Fox, K. R., Yih, J., Racah, O., Pendekanti, S. L., Limbach, L. E., Maydan, D. D., Parvizi, J.  
2018; 91 (16): E1519-1527
  - **Direct Cortical Recordings Suggest Temporal Order of Task Evoked Responses in Human Dorsal Attention and Default Networks.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*  
Racah, O., Daitch, A. L., Kucyi, A., Parvizi, J.  
2018
  - **Rapid Bedside Evaluation of Seizures in the ICU by Listening to the Sound of Brainwaves: A Prospective Observational Clinical Trial of Ceribell's Brain Stethoscope Function** *NEUROCRITICAL CARE*  
Hobbs, K., Krishnamohan, P., Legault, C., Goodman, S., Parvizi, J., Gururangan, K., Mlynash, M.  
2018; 29 (2): 302–12

- **Changes in subjective experience elicited by direct stimulation of the human orbitofrontal cortex.** *Neurology*  
Fox, K. C., Yih, J., Raccach, O., Pendekanti, S. L., Limbach, L. E., Maydan, D. D., Parvizi, J.  
2018
- **Neuronal Population Responses in the Human Ventral Temporal and Lateral Parietal Cortex during Arithmetic Processing with Digits and Number Words** *JOURNAL OF COGNITIVE NEUROSCIENCE*  
Baek, S., Daitch, A. L., Pinheiro-Chagas, P., Parvizi, J.  
2018; 30 (9): 1315-1322
- **Neural Mechanisms of Sustained Attention Are Rhythmic** *NEURON*  
Helfrich, R. F., Fiebelkorn, I. C., Szczepanski, S. M., Lin, J. J., Parvizi, J., Knight, R. T., Kastner, S.  
2018; 99 (4): 854-+
- **Reappraising faces: effects on accountability appraisals, self-reported valence, and pupil diameter.** *Cognition & emotion*  
Yih, J., Sha, H., Beam, D. E., Parvizi, J., Gross, J. J.  
2018: 1-10
- **Neuronal Population Responses in the Human Ventral Temporal and Lateral Parietal Cortex during Arithmetic Processing with Digits and Number Words.** *Journal of cognitive neuroscience*  
Baek, S., Daitch, A. L., Pinheiro-Chagas, P., Parvizi, J.  
2018: 1-8
- **Rapid Bedside Evaluation of Seizures in the ICU by Listening to the Sound of Brainwaves: A Prospective Observational Clinical Trial of Ceribell's Brain Stethoscope Function.** *Neurocritical care*  
Hobbs, K., Krishnamohan, P., Legault, C., Goodman, S., Parvizi, J., Gururangan, K., Mlynash, M.  
2018
- **High-level visual manifestations of epileptic seizures originating from the medial parietal cortex.** *Epileptic disorders : international epilepsy journal with videotape*  
Pendekanti, S., Baek, S., Kilinc, Y. B., Parvizi, J.  
2018
- **High-level visual manifestations of epileptic seizures originating from the medial parietal cortex** *EPILEPTIC DISORDERS*  
Pendekanti, S., Baek, S., Kilinc, Y., Parvizi, J.  
2018; 20 (3): 200-203
- **Odor-elicited Oscillations in Human Piriform Cortex**  
Jiang, H., Schuele, S., Rosenow, J., Parvizi, J., Tao, J., Wu, S., Gottfried, J.  
OXFORD UNIV PRESS.2018: E66
- **Spatial and temporal heterogeneity of neural responses in human posteromedial cortex** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Daitch, A. L., Parvizi, J.  
2018; 115 (18): 4785-90
- **Intracranial Electrophysiology Reveals Reproducible Intrinsic Functional Connectivity within Human Brain Networks** *JOURNAL OF NEUROSCIENCE*  
Kucyi, A., Schrouff, J., Bickel, S., Foster, B. L., Shine, J. M., Parvizi, J.  
2018; 38 (17): 4230-42
- **Diagnostic utility of eight-channel EEG for detecting generalized or hemispheric seizures and rhythmic periodic patterns.** *Clinical neurophysiology practice*  
Gururangan, K., Razavi, B., Parvizi, J.  
2018; 3: 65-73
- **Detecting silent seizures by their sound.** *Epilepsia*  
Parvizi, J., Gururangan, K., Razavi, B., Chafe, C.  
2018
- **Memory, Numbers, and Action Decision in Human Posterior Parietal Cortex** *NEURON*  
Parvizi, J., Wagner, A. D.  
2018; 97 (1): 7-10

- **Detecting silent seizures by their sound** *Epilepsia*  
Parvizi, J., Gururangan, K., Razavi, B., Chafe, C.  
2018; 59 (4): 877-884
- **Diagnostic utility of eight-channel EEG for detecting generalized seizures** *Clinical Neurophysiology Practice*  
Gururangan, K., Razavi, B., Parvizi, J.  
2018; 3
- **Distinct Patterns of Temporal and Directional Connectivity among Intrinsic Networks in the Human Brain** *JOURNAL OF NEUROSCIENCE*  
Shine, J. M., Kucyi, A., Foster, B. L., Bickel, S., Wang, D., Liu, H., Poldrack, R. A., Hsieh, L., Hsiang, J., Parvizi, J.  
2017; 37 (40): 9667-74
- **Josef Parvizi** *NEURON*  
Parvizi, J.  
2017; 95 (1): 12-13
- **Spatiotemporal dynamics of word retrieval in speech production revealed by cortical high-frequency band activity.** *Proceedings of the National Academy of Sciences of the United States of America*  
Riès, S. K., Dhillon, R. K., Clarke, A., King-Stephens, D., Laxer, K. D., Weber, P. B., Kuperman, R. A., Auguste, K. I., Brunner, P., Schalk, G., Lin, J. J., Parvizi, J., Crone, et al  
2017; 114 (23): E4530-E4538
- **Theta Oscillations Rapidly Convey Odor-Specific Content in Human Piriform Cortex** *NEURON*  
Jiang, H., Schuele, S., Rosenow, J., Zelano, C., Parvizi, J., Tao, J. X., Wu, S., Gottfried, J. A.  
2017; 94 (1): 207-?
- **Direct cortical stimulation of human posteromedial cortex.** *Neurology*  
Foster, B. L., Parvizi, J.  
2017; 88 (7): 685-691
- **Mirroring in the Human Brain: Deciphering the Spatial-Temporal Patterns of the Human Mirror Neuron System.** *Cerebral cortex*  
Perry, A., Stiso, J., Chang, E. F., Lin, J. J., Parvizi, J., Knight, R. T.  
2017
- **Electrophysiological Responses in the Ventral Temporal Cortex During Reading of Numerals and Calculation** *CEREBRAL CORTEX*  
Hermes, D., Rangarajan, V., Foster, B. L., King, J., Kasikci, I., Miller, K. J., Parvizi, J.  
2017; 27 (1): 567-575
- **Linking Electrical Stimulation of Human Primary Visual Cortex, Size of Affected Cortical Area, Neuronal Responses, and Subjective Experience** *NEURON*  
Winawer, J., Parvizi, J.  
2016; 92 (6): 1213-1219
- **Mapping human temporal and parietal neuronal population activity and functional coupling during mathematical cognition.** *Proceedings of the National Academy of Sciences of the United States of America*  
Daitch, A. L., Foster, B. L., Schrouff, J., Rangarajan, V., Kasikci, I., Gattas, S., Parvizi, J.  
2016
- **Direct brain recordings reveal hippocampal rhythm underpinnings of language processing** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Piai, V., Anderson, K. L., Lin, J. J., Dewar, C., Parvizi, J., Dronkers, N. F., Knight, R. T.  
2016; 113 (40): 11366-11371
- **Utility of electroencephalography: Experience from a U.S. tertiary care medical center.** *Clinical neurophysiology*  
Gururangan, K., Razavi, B., Parvizi, J.  
2016; 127 (10): 3335-3340
- **Differential Processing of Consonance and Dissonance within the Human Superior Temporal Gyrus** *FRONTIERS IN HUMAN NEUROSCIENCE*  
Foo, F., King-Stephens, D., Weber, P., Laxer, K., Parvizi, J., Knight, R. T.  
2016; 10

- **Frontal and motor cortex contributions to response inhibition: evidence from electrocorticography** *JOURNAL OF NEUROPHYSIOLOGY*  
Fonken, Y. M., Rieger, J. W., Tzvi, E., Crone, N. E., Chang, E., Parvizi, J., Knight, R. T., Kraemer, U. M.  
2016; 115 (4): 2224-2236
- **Functional asymmetry between the left and right human fusiform gyrus explored through electrical brain stimulation.** *Neuropsychologia*  
Rangarajan, V., Parvizi, J.  
2016; 83: 29-36
- **Decoding intracranial EEG data with multiple kernel learning method.** *Journal of neuroscience methods*  
Schrouff, J., Mourão-Miranda, J., Phillips, C., Parvizi, J.  
2016; 261: 19-28
- **Electrophysiological Responses in the Ventral Temporal Cortex During Reading of Numerals and Calculation.** *Cerebral cortex*  
Hermes, D., Rangarajan, V., Foster, B. L., King, J., Kasikci, I., Miller, K. J., Parvizi, J.  
2015
- **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
- **Dynamic changes in phase-amplitude coupling facilitate spatial attention control in fronto-parietal cortex.** *PLoS biology*  
Szczepanski, S. M., Crone, N. E., Kuperman, R. A., Auguste, K. I., Parvizi, J., Knight, R. T.  
2014; 12 (8)
- **Decoding memory processing from electro-corticography in human posteromedial cortex** *4th International Workshop on Pattern Recognition in Neuroimaging (PRNI)*  
Schrouff, J., Foster, B., Rangarajan, V., Phillips, C., Mourao-Miranda, J., Parvizi, J.  
IEEE.2014
- **Quantifying the local tissue volume and composition in individual brains with magnetic resonance imaging** *NATURE MEDICINE*  
Mezer, A., Yeatman, J. D., Stikov, N., Kay, K. N., Cho, N., Dougherty, R. F., Perry, M. L., Parvizi, J., Hua, L. H., Butts-Pauly, K., Wandell, B. A.  
2013; 19 (12): 1667-1672
- **Proceedings of the Fourth International Workshop on Advances in Electrocorticography** *EPILEPSY & BEHAVIOR*  
Ritaccio, A., Brunner, P., Crone, N. E., Gunduz, A., Hirsch, L. J., Kanwisher, N., Litt, B., Miller, K., Moran, D., Parvizi, J., Ramsey, N., Richner, T. J., Tandon, et al  
2013; 29 (2): 259-268
- **Human hippocampal increases in low-frequency power during associative prediction violations.** *Neuropsychologia*  
Chen, J., Dastjerdi, M., Foster, B. L., LaRocque, K. F., Rauschecker, A. M., Parvizi, J., Wagner, A. D.  
2013; 51 (12): 2344-2351
- **Asynchronous Broadband Signals Are the Principal Source of the BOLD Response in Human Visual Cortex** *CURRENT BIOLOGY*  
Winawer, J., Kay, K. N., Foster, B. L., Rauschecker, A. M., Parvizi, J., Wandell, B. A.  
2013; 23 (13): 1145-1153
- **Human Retrosplenial Cortex Displays Transient Theta Phase Locking with Medial Temporal Cortex Prior to Activation during Autobiographical Memory Retrieval.** *journal of neuroscience*  
Foster, B. L., Kaveh, A., Dastjerdi, M., Miller, K. J., Parvizi, J.  
2013; 33 (25): 10439-10446
- **A Brain Area for Visual Numerals** *JOURNAL OF NEUROSCIENCE*  
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